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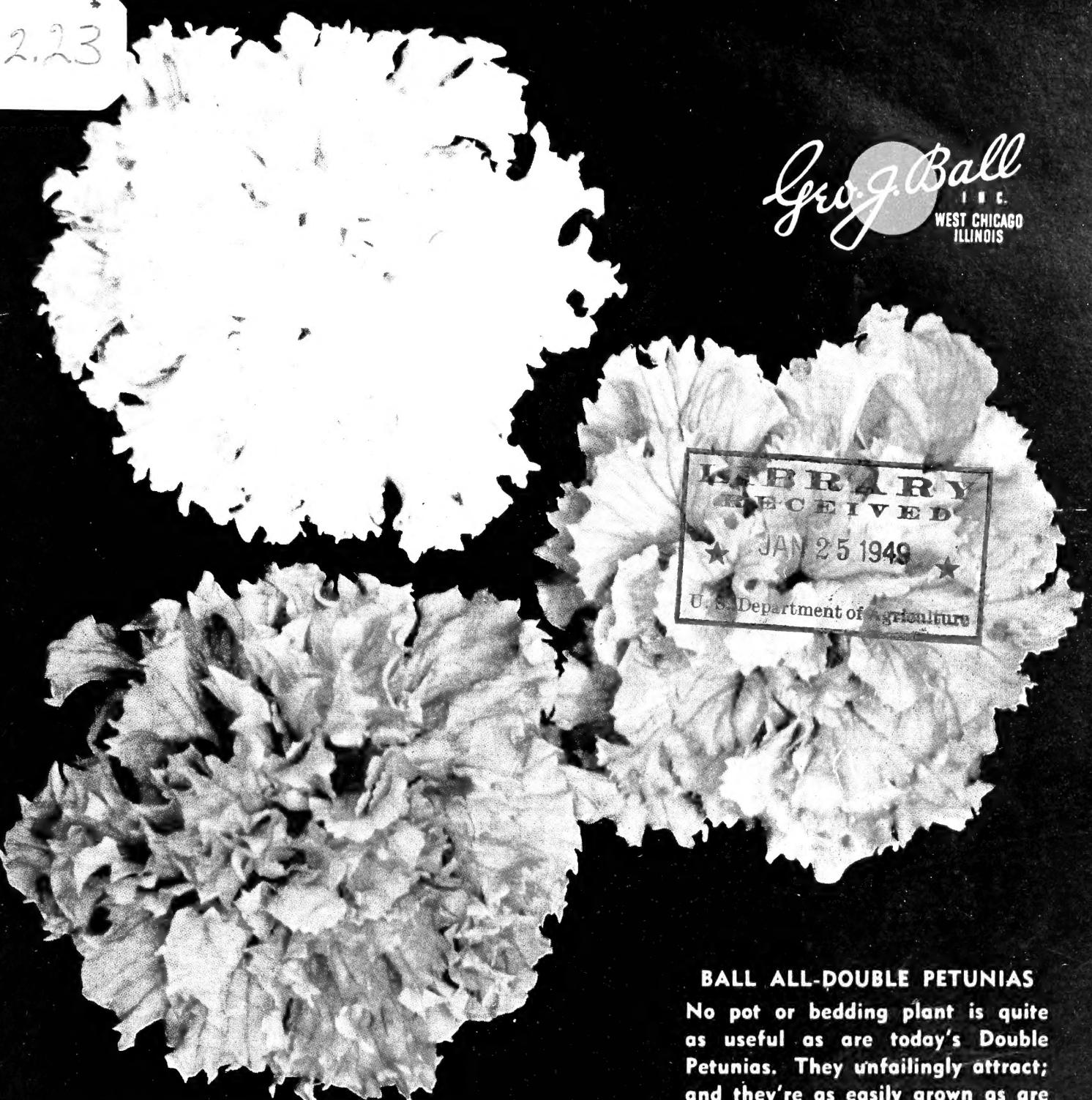
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GEO. J. Ball
INC.
WEST CHICAGO
ILLINOIS

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U. S. Department of Agriculture



PAN-AMERICAN DOUBLES

Top, SONATA

Right, CAPRICE

Bottom, ALLEGRO

BALL ALL-DOUBLE PETUNIAS

No pot or bedding plant is quite as useful as are today's Double Petunias. They unfailingly attract; and they're as easily grown as are the wildest singles. The fine Pan-Americans pictured here as well as our popular Canadian All-Double varieties are described on page 2.

"Flower Seeds for Florists"

CATALOG NO. 58 • JANUARY 1949

GEO. J. BALL, INC.

WEST CHICAGO, ILL.

News!

and Outstanding Varieties

While we realize that growing conditions and personal preferences vary widely thruout our country, we believe that the eight varieties on this page are worthy of special attention. Our own flowering trials, plus careful observation of plantings elsewhere, have convinced us that each merits more than ordinary consideration. Over 80 new or pre-war varieties are back in this catalog. Look it over carefully.

LARKSPUR

Improved Giant Imperials

A vigorous growing, new base branching class with extra large, fully double Delphinium-like flower spikes. See photo page 10.

Dark Blue Supreme. Bright, violet purple.

Lilac Supreme. Attractive, clear lilac.

Salmon Supreme. Striking, true salmon.

White Supreme. Outstanding pure white.

Supreme Mixture of all colors.

Above 5, each: Tr. pkt., **35c**; $\frac{1}{2}$ oz., **\$1.00**; 1 oz., **\$1.80**; 4 oz., **\$6.00**; 1 lb., **\$18.00**.

Regal Rose. Rich, florists' rose. Tr. pkt., **50c**; $\frac{1}{2}$ oz., **\$1.50**; 1 oz., **\$2.70**; 4 oz., **\$9.00**; 1 lb., **\$27.00**.

SALVIA

St. John's Fire

If you're looking for a bedding plant that will make a real show from July clear up until frost, this is it. In our own trials this fine variety grows to a uniformly even height of about 12 inches, and its bushy growth is completely covered with flowers of the most brilliant, fiery scarlet. There are various strains of St. John's Fire on the market, but thru many comparative flowering trials we have selected this stock for its outstanding trueness. We have a good supply of seed. Tr. pkt., **75c**; $\frac{1}{8}$ oz., **\$1.40**; $\frac{1}{4}$ oz., **\$2.50**; $\frac{1}{2}$ oz., **\$4.25**; 1 oz., **\$7.50**.

PETUNIA

White Mound

A worthwhile new Petunia of uniform, rather compact growth, but bushy and vigorous. The medium sized, pure white, fringed flowers are produced very freely. Tr. pkt., **75c**; $\frac{1}{64}$ oz., **\$1.75**; $\frac{1}{32}$ oz., **\$3.00**.



VERBENA

Giant Salmon Queen

Large, bright coral salmon flowers with creamy white eyes are carried well above the semi-dwarf, but upright and vigorous plants. Our stock is uniformly true. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.20**; 1 oz., **\$3.60**.

KALANCHOE

Brilliant Star

Try this fine, large scarlet pot plant for Christmas. Sow Jan.-Feb. in a 70° temperature. Shade with black cloth during all of Sept. from 5 P.M. till 7 A.M. Tr. pkt., **\$1.50**; $\frac{1}{128}$ oz., **\$3.50**; $\frac{1}{64}$ oz., **\$6.50**.

PANSY

Butterfly Hybrids

Unusual shades of apricot, terra cotta and rosy orchid for those who want something really different. Tr. pkt., **\$1.00**; $\frac{1}{16}$ oz., **\$3.25**; $\frac{1}{8}$ oz., **\$5.75**; $\frac{1}{4}$ oz., **\$10.00**; $\frac{1}{2}$ oz., **\$18.00**; 1 oz., **\$35.00**.

COLEUS

Rainbow Mixture

Our own greenhouse-grown strain of larger leaved Coleus containing many unusual pastel pink and salmon shades, as well as striking scarlet and gold blends. Tr. pkt., **75c**; $\frac{1}{32}$ oz., **\$1.80**; $\frac{1}{16}$ oz., **\$3.25**.



RESISTANT ASTER

Princess Linda

This new, clear rose, anemone flowered Aster gets away from the open centers common in some varieties today. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **80c**; 1 oz., **\$2.75**; 4 oz., **\$9.50**. Other Princess Asters on page 12.

Here's to '49!

Financial authorities generally agree that the present active business will continue for at least several years to come. This is based not only on that vast amount of Government defense activity, but on continued shortage of many civilian needs and wants. This should clearly point to a continued active flower business. While some luxury items report a slight recession, this will not so easily happen to our business, that is more a necessity than a luxury. For instance, "a home is not complete" until it is planted. And, certain occasions are very incomplete without real flowers. And that always will be so if we do our part in making known the fact that cut flowers and plants contribute humidity and cheer to any living room, making them bodily and spiritual needs.

The policy of our business is based on promptly, courteously and fully replying to all communications. Also to get orders back in the mail the day they are received by us, as nearly as it is possible to do so. These are musts in the conduct of our business. Geo. J. Ball, Inc. takes pride in these policies, plus carrying the highest grade of seeds, plants and bulbs possible. My point is this: If it should happen that we unduly fail you in any of these policies, I want you to write me personally about it. You will do me a real favor in doing so. Also you'll contribute to the improvement of our service—a mutual benefit.

Geo. J. Ball.

MONEY SAVING DISCOUNT!

On **seed orders only** (except Cyclamen and Lawn Grass) when payment is enclosed or on C.O.D.'s, you may subtract 5% on all orders from \$5.00 to \$25.00. On \$25.00 and over, deduct 8%.

For example: A \$30.00 seed order will actually cost you only \$27.60—a worthwhile saving. And for your files, an

itemized packing slip showing the total amount you've spent will be enclosed with your seed. This cash discount does not apply to Cuttings, Plants, Bulbs or Plant Bands unless quoted differently.

Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

PLEASE NOTE! Because a very large part of our entire year's seed business is experienced during January and early February, we sometimes find it impossible to get orders out as promptly as we would like at this season. Please help us to help you by sending us your order several days before you actually need your seed. After mid-February every order will again leave us the same day we receive it.

SEE PAGE 56 FOR BUSINESS TERMS

INDEX

Achillea	40	Campanula	
Acroclinium	22	Annual	24
Agathaea	22	Perennial	41
Ageratum	22	Candytuft	24
Aloe	22	Carnation	
Alyssum	22	Annual	24
Annual	23	Perennial	41
Perennial	40	Carnation Cuttings	52
Amaranthus	23	Catananche	41
Anchusa	Annual	Celosia	24
Annual	23	Centaurea	
Perennial	40	Annual	25
Arcotis	23	Perennial	43
Armeria	41	Exacum	29
Asclepias	41	Felicia	30
Asparagus	23	Freesia	30
Aster	Annual, Cover 2, 12	Fuchsia	30
Perennial	41	Gaillardia	
Aubrieta	41	Annual	30
Balsam	23	Perennial	43
Baptisia	41	Gazania	30
Begonia	21	Geranium	30
Bellis Perennis	41	Gerbera	30
Bocconia	41	Clematis	42
Boltonia	41	Cleome	26
Brachycome	23	Cobaea	26
Broom	41	Coleus	Cover 2, 26
Browallia	23	Coral Flower	27
Bulbs, Dutch	54	Coreopsis	42
Cacalia	23	Cosmos	27
Cactus	23	Cuphea	27
Calceolaria	23	Cyclamen	27
Calendula	19	Cynoglossum	28
Calliopsis	24	Cyperus	28
		Dahlia	28
		Daisy	
		Annual	28
		Perennial	43
		Gomphrena	30
		Gourds	31
		Grass, Ornamental	31
		Grass, Lawn	51
		Grevillea	31
		Gypsophila	
		Annual	33
		Perennial	44
		Lychnis	44
		Marigold	14
		Helianthemum	43
		Helianthus	31
		Marvel of Peru	33
		Helichrysum	31
		Heliotrope	31
		Hesperis	43
		Heuchera	43
		Hibiscus	43
		Hollyhock	
		Annual	31
		Perennial	43
		Hunnemannia	31
		Iberis	44
		Impatiens	31
		Echium	29
		Escholtzia	29
		Ipomoea	32
		Iris	44
		Kalanchoe	
		Cover 2, 32	
		Kochia	32
		Lantana	32
		Larkspur	Cover 2, 10
		Lathyrus	44
		Lavandula	44
		Lavatera	32
		Leontopodium	44
		Leptosyne	32
		Liatris	44
		Lily	44
		Linaria	32
		Linum	
		Annual	32
		Perennial	45
		Portulaca	35
		Lobelia	
		Annual	33
		Perennial	44
		Lunaria	44
		Lupine	
		Annual	33
		Perennial	44
		Ranunculus	36
		Ricinus	36
		Rudbeckia	
		Lychnis	44
		Marigold	14
		Helianthemum	43
		Marvel of Peru	33
		Matricaria	44
		Mesembryanthemum	
		Saintpaulia	36
		Salpiglossis	36
		Scutellaria	
		Annual	33
		Perennial	44
		Sanvitalia	37
		Saponaria	
		Annual	37
		Nemisia	33
		Perennial	45
		Scabiosa	
		Annual	37
		Perennial	45
		Schizanthus	37
		Shamrock	
		Oxypetalum	34
		Pansy	Cover 2, 34
		Plant Bands	Cover 3
		Streptocarpus	38
		Platycodon	45
		Petunia	Cover 2, 3
		Phlox	
		Annual	35
		Perennial	46
		Stocks	20
		Stokesia	46
		Strawberry	58
		Physostegia	45
		Vegetable Seeds	47
		Plant Bands	
		Pyrethrum	45
		Thlaspi	
		Thalictrum	46
		Thermopsis	46
		Thunbergia	38
		Tithonia	38
		Torenia	38
		Tritoma	46
		Trollius	46
		Vegetable Seeds	47
		Venidium	38
		Pyrethrum	45
		Queen Anne's Lace	
		Flower	36
		Ranunculus	36
		Veronica	46
		Vinca	39
		Viola	46
		Wallflower	30
		Yucca	46
		Scutellaria	39
		Calceolaria	30
		Salpiglossis	36
		Zinnias	38

Printed in U.S.A.

Throughout this catalog, preferred varieties of flower seed are indicated with an asterisk (*).

All-Double

Pan-American All-Doubles

(Pictured on Front Cover)



Picturing the cut flower possibilities of All-Double Petunias for retail growers.

(Petunias about 200,000 seeds per oz.)

Petunias have a universally popular appeal for bedding not possessed by any other plant. This is due to their brilliant colors and effectiveness in mass plantings, plus the comparative ease with which they flourish under a wide variation of soils and climates. In addition, large numbers are sold each year in combinations or as finished pot plants. Important points for the grower to remember are that a cool temperature and moderate use of water are essential if stocky, well-hardened plants are to be had. Equally important is the use of first class seed strains. Ours are among the world's finest.

***Allegro.** Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. A new and attractive color in the All-Double class.

***Caprice.** Medium sized, deep rose flowers are freely produced on bushy, compact plants of uniform habit.

***Sonata.** Extra large, fully double, pure white flowers. Not as compact in growth as above two, and should be pinched to induce branching.

Minuet. Medium sized lavender. Tall; should be pinched.

Nocturne. Semi-double, deep Elk's Pride purple. The medium large flowers are borne on vigorous plants.

Prices above 5, each: $\frac{1}{2}$ Tr. pkt., \$2.50; Tr. pkt., \$4.00; 1/128 oz., \$7.60; $\frac{1}{64}$ oz., \$14.45.

Glorious Mixture. Contains both tall and dwarf types in all the above colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors. $\frac{1}{2}$ Tr. pkt., \$2.00; Tr. pkt., \$3.50; 1/128 oz., \$6.65; $\frac{1}{64}$ oz., \$12.60; $\frac{1}{32}$ oz., \$24.00.

NEW!—SEPARATE COLOR CANADIAN ALL-DOUBLES

Rose of Canada. Fully double, bright medium to deep rose flowers about 3 inches across are freely produced on compact bushy plants. Here's your chance to grow all the spring pot plants you need of the most popular color in Double Petunias.

Northern Lights. Includes a wide range of rose and pink shades, a few with white markings—no magenta. Ideal bushy pot plant habit with 3 inch, fully double flowers.

Prices above 2, each: $\frac{1}{2}$ Tr. pkt., \$1.80; Tr. pkt., \$3.00; 1/128 oz., \$6.50; $\frac{1}{64}$ oz., \$11.70.

CALIFORNIA GIANT PETUNIAS

*BALL DWARF GIANT No. 1

We consider this the finest uniformly dwarf strain available. Produces over 80% extra large, open throated flowers ranging in color from velvety crimson to delicate pink; and is at its very best in a 3 or 4 inch pot. However, since dwarfness can be had only at some cost in vigor, this strain is not recommended for bedding. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Ball Dwarf Giant No. 2.** Ramona Strain. More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering for outdoor bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose and salmon. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00.

***Giant Rainbow Strain.** Outstanding for its unusual range of brilliant colors which we have found in no other mixture. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

SEPARATE COLOR VARIETIES

***Ball Lavender Giant.** A pleasing soft lavender with darker veins; dwarf growth. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40.

***Copper Red, Dark.** Attractive deep coppery crimson. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

***Glamour.** A beautiful rich salmon rose, shading lighter toward the throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***Irene.** Carmine red; white netted throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Prince of Wurttemberg. Deep reddish rose; dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Princess of Wurttemberg. Light rose pink; veined dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Petunias

Canadian All-Doubles

***Canadian Mixture.** The excellent germination, rich coloring and uniformly dwarf but vigorous and free-branching habit of this fine Petunia, have been favorably commented on by growers everywhere. Though not heavily fringed, the flowers are nicely ruffled and 100% double. Specimens the size of the one indicated in the photo at right are not uncommon when well grown. Rose, pink, salmon, white and mauve are represented in this fine mixture. $\frac{1}{2}$ Tr. pkt., \$1.80; Tr. pkt., \$3.00; $\frac{1}{128}$ oz., \$6.50; $\frac{1}{64}$ oz., \$11.70.

***America.** Freely produces medium sized carnation-flowered blooms of a pleasing deep rose color. If sown early and pinched hard a couple of times, very nice 4 in. pot plants can be had for that important spring business. In addition we find it quite valuable for bedding, our outdoor trials this past season flowering heavily until frost. $\frac{1}{2}$ Tr. pkt., \$1.25; Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$11.70.

Colossal Shades of Rose. The largest flowered All-Double Petunia, shades of pink and rosy mauve. $\frac{1}{2}$ Tr. pkt., \$1.50; Tr. pkt., \$2.50; $\frac{1}{128}$ oz., \$5.00; $\frac{1}{64}$ oz., \$9.00.

Victorious All-Doubles

(SOLD OUT—SHORT SEED CROP)

To help in figuring your seed needs, we indicate on various pages the number of seeds per ounce of important items. This is NOT an indication of number of plants to be expected. Because of varying conditions under which seed matures, germination under good conditions will run 60-70% or more; but don't figure too high.



Not hard to understand the tremendous popularity of All-Double Petunias when we stop to consider the possibilities in this versatile plant. Besides its pot plant and bedding value, it is useful as a short stemmed cut flower, and can be satisfactorily used in funeral arrangements. Flowers the size of the above unretouched photo are not at all uncommon in our Canadian All-Double Mixture when well grown.

GRANDIFLORA PETUNIAS

There are three distinct classes of Grandifloras: the Ruffled; the Regular Fringed; and the Dwarf Fringed. Like all Petunias, the most vigorous are the tall ones. The Dwarf Fringed make ideal pot plants, but for bedding most of them do not hold up in poor dry soil.

RUFFLED GRANDIFLORAS

***White Queen.** Extra large, wavy pure white flowers and dwarf compact growth make this a truly outstanding Petunia. Fine for bedding or pot plant use. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***Snowstorm.** Fine large flowered white. Similar to White Queen. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***White Cloud.** Not quite as large flowered as the previous two varieties, but very free flowering. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***Elk's Pride Dwarf.** Our strain of this always-popular rich velvety purple variety is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.

***Giant Flaming Velvet.** Large ruffled mahogany red flowers and fairly compact growth make this an attractive variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50.

Burgundy. Dark Burgundy wine red with large white throat. Well ruffled. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

Dwarf Pink Glory. Glowing carmine rose with white throat. About 60% true large flowered. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.

***Ruffled Grandiflora Mixture.** Formula mixture of the finest varieties in the Ruffled class. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{16}$ oz., \$3.00.

(Grandiflora Petunias continued on next page.)

GRANDIFLORAS—Continued

FRINGED GRANDIFLORAS

***White Mound** (New). Of uniform rather compact growth—bushy and vigorous. The medium sized, pure white, fringed flowers are produced in great profusion, and our outdoor trial showed them free of any objectionable lavender shading. A worthwhile new Petunia. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

***Dazzler**. Free flowering deep carmine rose; fairly well fringed and very showy. This is a fine pot plant variety. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.20; $\frac{1}{32}$ oz., \$4.00.

Dainty Lady. A light cream. The nearest approach to a yellow Petunia. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50.

***Fringed Snowstorm**. Nicely fringed pure white flowers with faint gold throat are very freely produced. $\frac{1}{2}$ Tr. pkt., 65c; Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.35; $\frac{1}{32}$ oz., \$3.75; $\frac{1}{16}$ oz., \$6.75.

***Golden Jubilee**. Heavily fringed, bright carmine rose with golden throat. An excellent variety for pot plants. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.65; $\frac{1}{32}$ oz., \$3.00.

***Pink Triumph**. Choice clear rose pink, golden throated. Fine bedder. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

***Royal Purple**. Velvety purple with attractively fringed petals. A fine variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.

***Theodosia Improved** (Josephine). Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.



Petunia Grandiflora Fringed Dazzler in a 3 in. pot. Nothing showier for combinations than this bright deep rose.

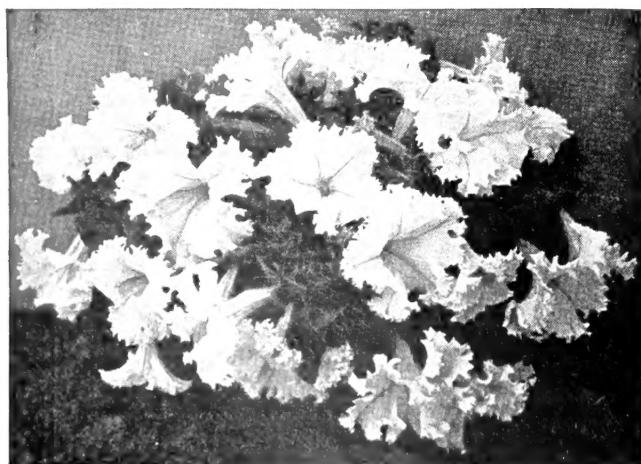
White Beauty. A strong grower with flowers of finely fringed pure white. A worth-while bedding variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.85.

Fluffy Ruffles. An attractive fringed mixture for bedding work. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{8}$ oz., \$4.75.

***Fringed Grandiflora Mixture**. A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.65; $\frac{1}{16}$ oz., \$3.00.

THE DWARF ERFURTS

(Dwarf Fringed)



Petunia Dwarf Fringed Lace Veil. An extra dwarf free-flowering fringed pure white.

***Carmencita**. The nearest approach to a true scarlet Petunia to date. The medium sized, well fringed flowers are a bright salmon red and are borne on dwarf compact plants. We believe there is a real future for this variety. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; 1/128 oz., \$1.75.

***Setting Sun**. Heavily fringed, beautiful deep rose. One of the most popular Dwarf Erfurts.

***Lace Veil**. Almost identical to Setting Sun except for its pure white flowers.

Gaiety. Attractively blotched rose pink and white.

***Dwarf Erfurt Mixture**. A formula mixture of the above three varieties.

Prices above 4, each: Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.

DWARF HYBRIDA PETUNIAS

The Dwarf Hybrids are the most widely used class of Petunias. They adapt themselves readily to a wide range of growing conditions and are unexcelled as bedders or for combinations. They are especially suited to use by growers of flattened plants, and great numbers are sold this way each spring.

BALL TEN BEST

These fine varieties constitute three-fourths of our demand for Dwarf Hybrida Petunias.

***Admiral.** Our finest blue Petunia. Large attractively ruffled flowers with little violet shading—almost clear blue. Ideal for either pots or bedding. Tr. pkt., 75c; $\frac{1}{6}$ oz., \$1.50; $\frac{1}{3}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00; $\frac{1}{8}$ oz., \$9.00.

***Bright Eyes.** Uniformly dwarf and even in growth. The plants produce masses of fairly small rose pink flowers with white throats. A definite improvement over the old Rosy Morn. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.10; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.00.

***Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original Celestial Rose. Unexcelled for pot plant work or bedding. This is the most popular Petunia in existence. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Cheerful.** Medium large flowers of clear salmon, veined deeper toward throat, are freely produced on uniform, fairly dwarf plants. This shade is becoming increasingly well liked by Petunia buyers. Tr. pkt., 50c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00.

***Fair Lady.** A fine large flowered silvery pink; lighter and softer in tone than Celestial Rose. Ideally suited for pot plant use and a fine color under spring greenhouse conditions. Tr. pkt., 35c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.

***Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. Resembles Celestial Rose in habit of growth. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

***Peach Red.** A free flowering, deep salmon-rose; uniform in habit and of medium dwarf, vigorous growth. A bright and appealing color that sells readily. Tr. pkt., 50c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00.

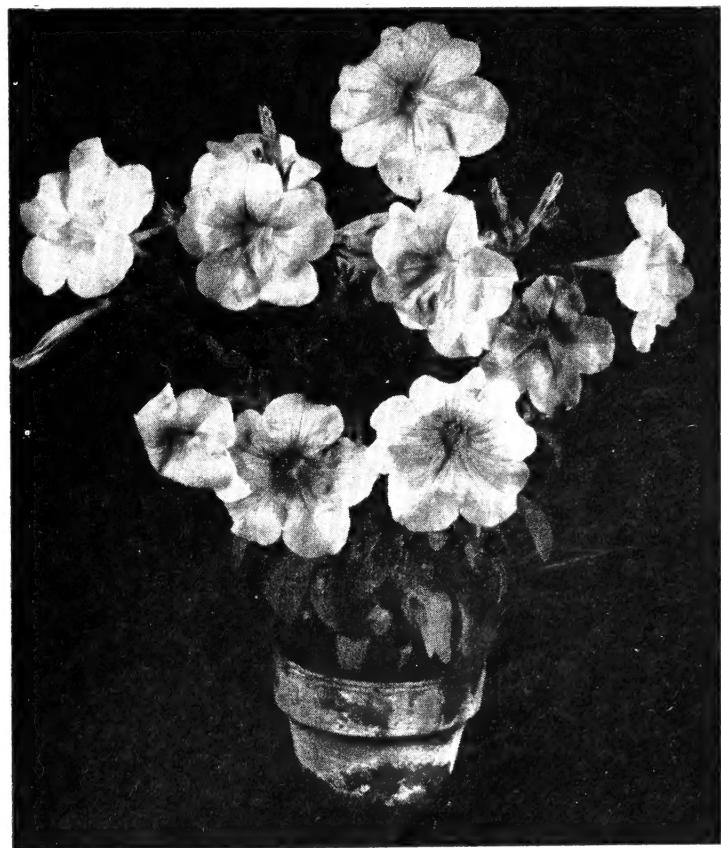
***Snow Queen.** Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$3.75.

***Topaz Queen.** A remarkable color combination of glowing carmine rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Velvet Ball.** Dark red; almost identical to King Henry in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 50c; $\frac{3}{2}$ oz., \$1.35; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.50; $\frac{1}{4}$ oz., \$8.25.

***Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 35c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Dwarf Hybridas continued on page 6.



Any of the Petunias listed on this page will make exceptionally nice 3 or 4 inch pot plants for spring sales.

SPECIAL OFFER

For growers who are interested in trying all the 10 Best varieties listed on this page separately rather than in mixture, we offer a tr. pkt. of each for \$3.50. This represents a saving of \$1.00 over the regular catalog price.

DWARF HYBRIDAS—Continued

***Admiral.** See 10 Best, page 5.

Alderman. Fairly uniform growth with medium small lavender-blue flowers. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

Blue Bird. Similar to Alderman; growth a bit more vigorous. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

***Blue Bedder.** Extra vigorous growth with medium large flowers having less lavender shading and more blue than the above two. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

***Bright Eyes.** See 10 Best, page 5.

***Celestial Rose** (Regular strain). Extra fine, bright rose with an ideal bushy habit. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.50.

***Celestial Rose Improved.** See 10 Best, page 5.

***Cheerful.** See 10 Best, page 5.

Cream Star. Bluntly star shaped creamy white. Tr. pkt., 50c; 1/8 oz., \$1.15; 1/4 oz., \$2.00.

***Elk's Star.** Deep velvety crimson with white star. Quite true to type and strikingly attractive for bedding, pots or combinations. Tr. pkt., 50c; 1/6 oz., 90c; 1/8 oz., \$1.65; 1/4 oz., \$3.00.

***English Violet.** A pleasing shade of rosy, violet-mauve. Habit similar to Celestial Rose. Tr. pkt., 50c; 1/8 oz., \$1.15; 1/4 oz., \$2.00; 1 oz., \$6.00.

***Fair Lady.** See 10 Best, page 5.

***Glow.** A flashing carmine scarlet; makes a brilliant display for mass plantings. Tr. pkt., 35c; 1/6 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.75; 1 oz., \$13.50.

***Heavenly Blue.** See 10 Best, page 5.

***Igloo.** Makes a perfectly rounded mound of medium sized pure white flowers with faint yellowing in the throat. Tr. pkt., 50c; 1/8 oz., \$1.15; 1/4 oz., \$2.00; 1 oz., \$6.00.

***King Henry.** Deep velvety crimson or mahogany red. Compact growth makes this a choice pot plant variety. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.35; 1/8 oz., \$4.25; 1/4 oz., \$8.00.

Norma. Lavender with white star; dwarf and compact. Tr. pkt., 35c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

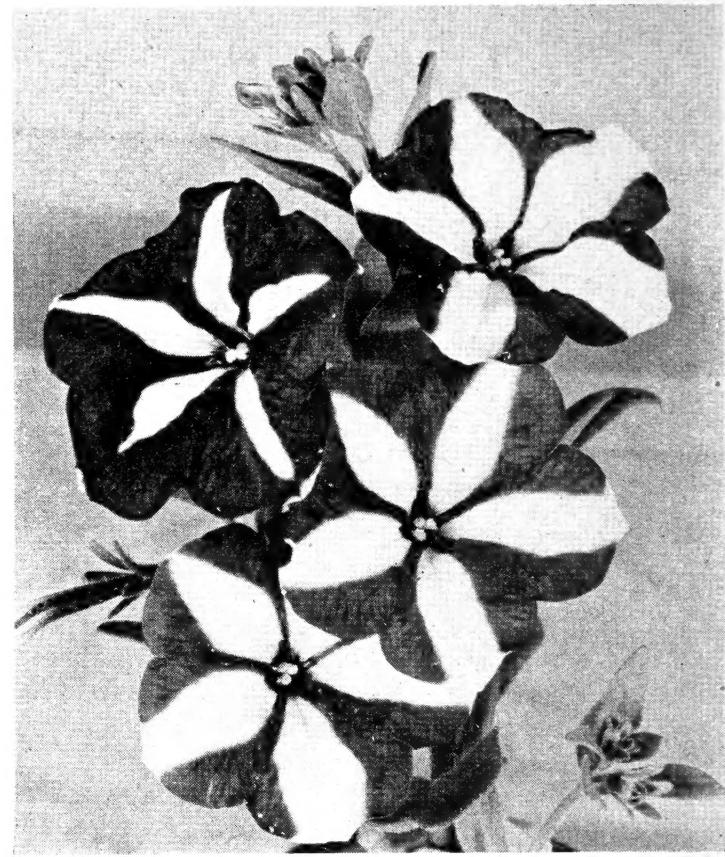
***Peach Red.** See 10 Best, page 5.

Rose of Heaven. Well known rose pink for bedding. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

***Rose Queen Improved.** A rich deep rose about the shade of Topaz Queen; uniformly dwarf and compact, but not weak. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Rosy Morn. Popular rose pink with large white throat. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.75.

Salmon Supreme. A distinct color in bedding Petunias, with clear salmon pink flowers that make an attractive display. Tr. pkt., 50c; 1/32 oz., \$1.50; 1/16 oz., \$2.75.



Petunia Elk's Star comes remarkably true to type; white star against a deep crimson background.

***Snow Queen.** See 10 Best, page 5.

Snow White. Strong growing plants with creamy white flowers freely produced. Uniform and true to type. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

***Topaz Queen.** See 10 Best, page 5.

***Twinkles.** Very showy, rose pink with white star. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

***Velvet Ball.** See 10 Best, page 5.

***White Perfection.** An excellent, compact pure white. A little dwarf for mass bedding, but fine for borders or pots. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

Violacea. Fairly dwarf deep purple. Tr. pkt., 35c; 1/4 oz., \$1.25.

Violet Blue. GEM TYPE. Deep violet purple. Growth rather weak for bedding, but fine for pot plants or combination boxes. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.30; 1 oz., \$4.75.

***Dwarf Hybrida Formula Mixture.** A formula blend of the above varieties; not a field grown mixture. Complete and attractive. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.50.

Dwarf Hybrida Starred Mixture. Nice mixture of starred types such as Twinkles, Norma, etc. Well balanced assortment of colors. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$3.75.

MISCELLANEOUS PETUNIAS

DWARF HYBRIDA RUFFLED TYPE

***Little Giants Mixed.** Small ruffled California Giant type flowers about 2 in. across are freely produced on low growing uniform plants that are ideal for combination work as well as bedding. Colors range from amaranth red through rose and pink to white. The greater vigor of this strain is an improvement over the earlier Ruffled Dwarf Hybrids such as Martha Washington. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.

Martha Washington. Ruffled blush pink flowers with attractive veined throat. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.15; $\frac{1}{16}$ oz., \$2.00.

TALL HYBRIDAS

This class resembles the Dwarf Hybrids, but are taller and stronger in growth. Well suited to bedding where growing conditions are unfavorable.

General Dodds. Deep amaranth red. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

***Howards Star Imp.** Medium tall velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 35c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

Mars. Rich velvety red, similar to Balcony Black Prince. Tr. pkt., 35c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

Rose King Improved. Fairly deep, clear rose pink with light golden throat. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

Topaz Rose. Brilliant deep carmine rose; about same color as Topaz Queen. Tr. pkt., 35c; $\frac{1}{4}$ oz., 85c; 1 oz., \$3.00.

White. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

Exquisite Mixture. Formula mixture; finer large-flowered varieties predominating. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

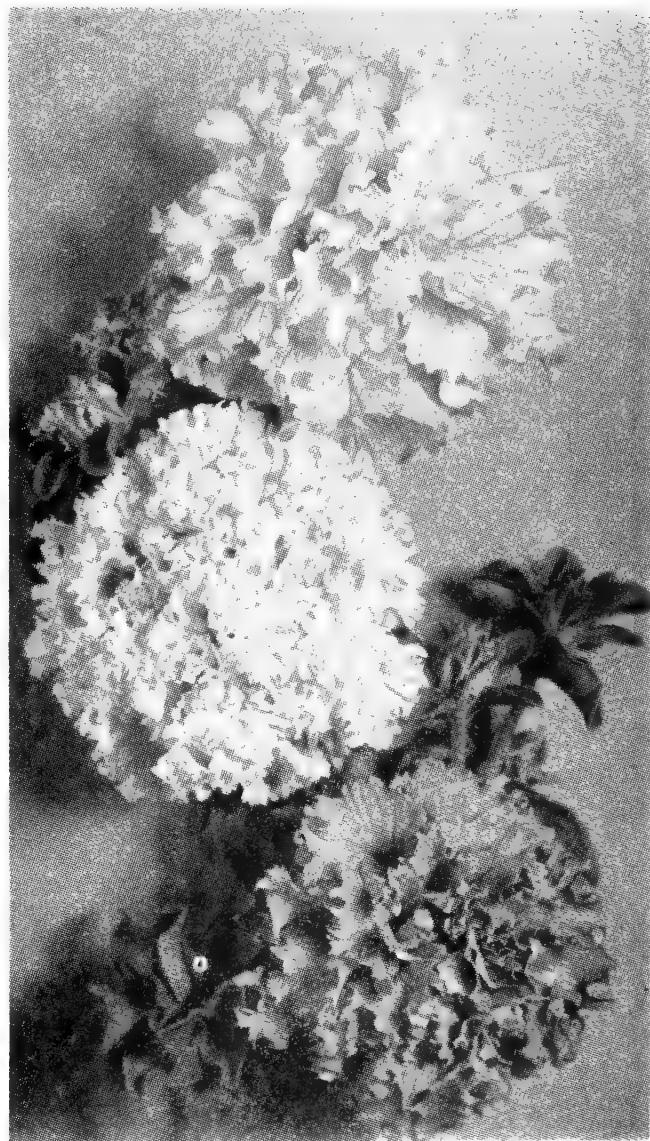
THE BALCONIES

The growth of Balconies is strong and tends to lengthen, making them suitable for window boxes, combinations, or bedding.

***Black Prince.** Rich velvety crimson-red with true Balcony habit. Comes practically 100% true to color. Tr. pkt., 35c; $\frac{1}{16}$ oz., 60c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.85; 1 oz., \$6.75.

***Blue.** A medium violet-blue. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.65; 1 oz., \$5.00.

White Crimson Rose Mixture
Prices above 4, each: Tr. pkt., 35c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.75.



You'll find the All-Double Petunias as vigorous, free-flowering and valuable for bedding as most of the singles—and plants even easier to sell when in flower. See pages 2 and 3 for complete list of many choice varieties.

DIENER'S VARIETIES

We supply originator's packets only on the following varieties:

No. 8—Ruffled Monsters Mixed. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$2.50

No. 11—Blue. Semi-dwarf violet blue. Tr. pkt., 25c; $\frac{1}{64}$ oz., \$1.50.

No. 45—Santa Barbara. Clear flame rose. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$2.50.

No. 47—Jumbo Mixture. A mixture of Giants. Tr. pkt., \$1.00.

Florists' Zinnias

(2500 to 4000 seeds per oz.)



Giant Dahlia-Flowered Zinnia

THERE'S MONEY IN ZINNIAS FOR EVERY RETAIL GROWER

If sheltered from the trying outdoor conditions of summer, Zinnias can be grown into attractive cutting material—particularly the Pompons or Lilliputs. Either a cloth or greenhouse can produce flowers that no outdoor stock will compete with. Such protection produces longer stems and larger flowers. While they are easily grown by sowing in the open as soon as the soil becomes well warmed, many gardeners prefer well started plants that are as easily produced under glass as any plants can be. Also, in our latitude, if sown outdoors as late as July, they will flower freely before frost. Zinnias are warm temperature plants; if the seed is sown in cold, wet soil, it will rot.

The development of Zinnias from the small, high centered singles of 50 years ago to the beautiful forms and colors of today has been almost a miracle. To maintain the trueness to type of today's stock requires much careful work. Most seed growers do this work well. Thru our annual trials of all varieties and personal inspection of seed fields, we are able to offer "All the Best—Nothing Else" in florists' Zinnias.

DAHLIA FLOWERED

The generally preferred class; flowers are deeper with central petals incurved.

Canary Bird. A bright, clear canary yellow.

Crimson Monarch. Large flowered deep crimson red.

Dream. An attractive medium orchid lavender.

Eldorado. Unusually attractive salmon-apricot.

Exquisite. Fine medium rose pink with deeper center.

Golden Dawn. Clear golden yellow. A good variety.

Golden State. A rich orange-yellow; varies some.

Illumination. A deep rose; darker than Exquisite.

Luminosa. Bright pink suffused with salmon.

Meteor. Rich deep maranth red. A striking color.

Oriole. Fine orange with dark center.

Polar Bear. Large creamy white.

Purple Prince. Deep purple; large-flowered.

Scarlet Flame. The finest bright scarlet. Very showy.

Prices—all Dahlia Flowered Zinnias, each: Tr. pkt., 25c; 1/4 oz., 45c; 1/2 oz., 75c; 1 oz., \$1.25; 4 oz., \$4.00; 1 lb., \$14.50.

SPECIAL OFFER: We furnish a collection consisting of 1 tr. pkt. each of these 14 varieties for **\$2.75**.

Three Fine Dahlia Flowered Mixtures

GOLD MEDAL MIXTURE. We believe this is the finest complete mixture of large flowered Zinnias available. This is not a field grown mixture but is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

INDIAN SUMMER MIXTURE. An unusually attractive giant flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

PASTEL SHADES MIXTURE. A formula mixture composed of the lighter colors in the large flowered class. Preferred by those who object to strong reds and purples.

Prices above 3, each: Tr. pkt., 25c; 1/4 oz., 45c; 1/2 oz., 75c; 1 oz., \$1.25; 4 oz., \$4.00; 1 lb., \$14.50.

FLORISTS' ZINNIAS—Continued

GIANT MAMMOTH

Flowers are some larger in diameter but not so deep and full as are the Dahlia Flowered.

Brightness. Bright, clear rose pink.

Cherry Queen (Cerise Queen). Brilliant cherry-rose.

***Daffodil Improved.** Clear canary yellow.

***Enchantress.** Light pink; darker center.

Golden Queen. Bright golden yellow.

Lavender Queen. Medium rosy lavender.

Miss Wilmott. Pleasing, soft pastel pink.

***Orange King.** A bright orange with scarlet shading.

***Purity.** The best white in large flowered Zinnias.

***Rose Queen.** Deep rose; a striking color.

***Scarlet Queen.** Intense bright scarlet.

Violet Queen. Deep violet-purple.

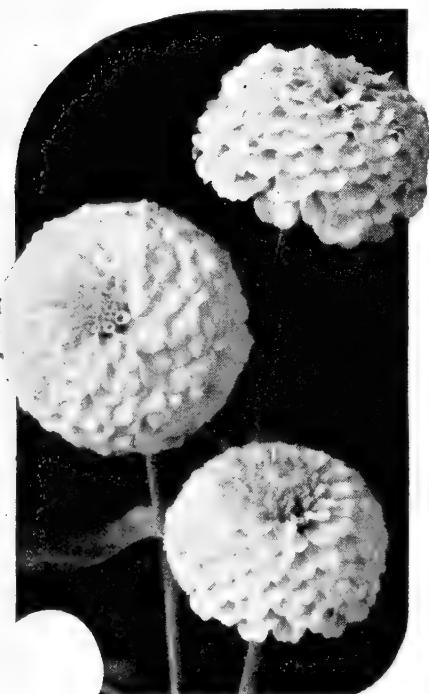
Mixture. A balanced formula mixture of all Giant Mammoth varieties.

Prices above 13, each: Tr. pkt., 25c; 1/4 oz., 40c; 1/2 oz., 65c; 1 oz., \$1.10; 4 oz., \$3.60; 1 lb., \$13.50.

SPECIAL OFFER. We offer one trade packet each of the above 12 named varieties for \$2.50.

LILLIPUT or POMPON

Small, nicely rounded pompon type flowers that make excellent cutting material when the stems are drawn some by cloth or glass protection. Attractive for bedding in the open where they attain a height of 12 to 14 in. under middle states conditions.



Zinnia Lilliput, Rosebud

This neat little Pompon type is, we believe, the most valuable one for cut flower work.

Black Ruby. Deep maroon
 ***Canary Gem**
Crimson Gem
Golden Gem
 ***Lilac Gem**
 ***Pink Gem**
Purple Gem
 ***Rosebud.** Fine deep rose.
 ***Salmon Gem**
 ***Scarlet Gem**
Valencia. Burnt-orange.
White Gem.
Formula Mixture. All colors.

Prices above 13, each: Tr. pkt., 15c; 1/4 oz., 35c; 1/2 oz., 60c; 1 oz., \$1.00; 4 oz., \$3.20; 1 lb., \$10.00

Special Offer. Tr. pkt. of each of the 12 named Lilliput varieties for \$1.50.

MISCELLANEOUS VARIETIES

Gracillima (Red Riding Hood). Freely produces large numbers of small bright crimson flowers. Fine for bedding. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Haageana Double Hybrids. Especially valuable for bedding. Extra compact and literally covered with small mahogany flowers charmingly variegated gold and orange. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

Scabious - Flowered. Fairly tall with some cut-flower value. An anemone-flowered type with crested center. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Gaillardia-Flowered or Navajo. Attractive two-tone combinations of rose, bronze, yellow and orange. Medium sized flowers. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.35.

Cupid Mixture. Dwarf, extra small flowered type valuable for borders and rock gardens. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Linearis. Compact (6 to 8 in.) and early flowering, with single bright orange flowers. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

Chrysanthemum Flowered. A mixture of large, fully double, Chrysanthemum-like flowers with attractive curly petals. Some variation in type. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 1 lb., \$15.00.

Super Crown O'Gold, Pastel Tints. A mixture of two-tone pastel colors, with base of each petal colored a buff or yellow shade. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Early Wonder, Finest Mixed (New). Extra early; fine for short season locations. Double 3 in. rounded flowers are carried on good stems which have no laterals and few leaves; base branching. Bred for cut flower use. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

PUMILA TYPE

"Cut and Come Again"

Midway between the Giants and Lilliputs in size.

Carary Yellow

Fireball (Scarlet)

Salmon Rose

Snowball (White)

Pinkie. A pleasing soft pink; fairly long stems.

Mixture of all colors.

Golden Orange

Prices above 7, each: Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

FANTASY TYPE

The fairly large flowers have informally curled and twisted petals which produce an attractive novelty effect.

***Star Dust.** A bright deep golden yellow.

***Wildfire.** Dazzling scarlet; a striking brilliant color.

Rosalie. Intense rose pink.

Melody. Rich orchid lavender.

Mixture. Formula mixture of all colors in this class.

Prices above 5, each: Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.10.



Zinnia Haageana

Annual Larkspur

(8,000 seeds per oz.)

Larkspur, because of its bulk and weight, is essentially a locally grown crop and market growers of this item will have little competition from stock shipped any great distance. A January greenhouse sowing of Larkspur will flower about May, depending on temperatures. While it is sown outdoors to advantage in the fall, spring sowings do about as well if sown the first day the ground can be prepared. To draw up long stemmed flowers, use fairly enriched soil and water when quite dry. While the standard varieties are usually satisfactory, the finer quality of the new Improved Imperials and the Super Majestics will more than repay their extra initial cost.

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers are the important points about this new Larkspur strain. For outdoor growing, where older varieties have been rather short-stemmed, the additional length of this new class is a distinctive advantage. Equally valuable for greenhouse culture.

***Deep Salmon Pink.** Very showy.
***Rose Pink.** Rich, creamy rose pink.
***Lavender.** Medium, rosy lavender.
***White.** Large flowered, pure white.
***Mixture** of above colors.

Prices above 5, each: Tr. pkt., 35c;
1/2 oz., 85c; 1 oz., \$1.50; 4 oz.
\$5.00; 1 lb., \$15.00.

STOCK FLOWERED

Dark Blue. Rather deep violet-blue.
Lilac. A clear deep lilac.
Mauve Beauty. Med. lavender mauve.
***Rosamond.** Excellent, deep rose.
Los Angeles. Bright salmon-rose.
White. Prefer White King.
Formula Mixture of above varieties.

Prices above 7, each: Tr. pkt., 25c;
1/2 oz., 55c; 1 oz., 95c; 4 oz., \$3.20;
1 lb., \$9.60.

HYACINTH FLOWERED

Produces one long non-branching spike.
Dark Blue **Lavender** **Pink**
 Purple White Mixed
Prices above 6, each: Tr. pkt., 35c;
1/2 oz., 90c; 1 oz., \$1.60; 4 oz.,
\$5.20; 1 lb., \$16.00.

NEW IMPROVED GIANT IMPERIALS

The vigorous growing upright plants of this new base branching class carry a huge main flower spike (see photo) which is formed by a great many large, fully double, broad petaled Delphinium-like florets closely spaced on the stem. The colors are not just variations of existing varieties, but are completely new tones. The originators describe them as the finest florists' Larkspur on the market today.

***Dark Blue Supreme.** Violet purple.
***Lilac Supreme.** Clear lilac.
***Salmon Supreme.** True salmon.
***White Supreme.** Finest pure white.
***Supreme Mixture** of all colors.

Prices above 5, each: Tr. pkt., 35c;
1/2 oz., \$1.00; 1 oz., \$1.80; 4 oz.,
\$6.00; 1 lb., \$18.00.

***Regal Rose.** Rich florists' rose. Tr.
pkt., 50c; 1/2 oz., \$1.50; 1 oz.,
\$2.70; 4 oz., \$9.00; 1 lb.,
\$27.00.

GIANT IMPERIALS (BASE BRANCHING)

Our 6 Best

***Blue Bell.** Med. light, lavender blue.
***Blue Spire.** Deep violet blue.
***Brilliant Rose.** Intense, salmon rose.
***Sweet Lavender.** Medium dark shade.
Rosalind. Shatter-proof, salmon pink.
***White King.** Popular pure white.
***6 Best Mixture.** A formula mixture of
these 6 varieties.

Other Imperials

***Coral King.** Pleasing, soft coral rose.
Dazzler. Rich carmine-scarlet.
***Exquisite Pink Imp.** Fine soft pink.
Gloria Imp. Bright, deep rose.
***Lilac King.** Rich, deep bluish-lavender.
***Lilac Queen.** Deep orchid; lighter and
rosier than Lilac King.
Los Angeles Imp. Bright salmon rose.
Miss California. Pleasing, salmon pink.
Pink King. Attractive, soft light pink.
***White Cockade.** Fine, pure white.
White Spire. Clear white.
***Formula Mixture** of above varieties.
Prices above 19, each: Tr. pkt., 25c;
1/2 oz., 65c; 1 oz., \$1.10; 4 oz.,
\$3.60; 1 lb., \$11.00.

Improved Giant Imperial Larkspur.

Profitable Delphinium

(10,000 seeds per oz.)

THREE FINE GIANT PACIFIC HYBRIDS

These three varieties are among the best Hybrid Delphinium on the market today and should be grown by every florist.

***Galahad Series.** The finest clear white Delphinium. Huge, double flowers borne on long closely set spikes.

***Guinevere Series.** Excellent, light pinkish-lavender with white bee.

***Summer Skies Series.** Light blue with an attractively contrasting white bee.

Prices above 3, each: Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

MISCELLANEOUS VARIETIES

***Belladonna Imp.** (Cliveden Beauty). A carefully reselected strain of this standard light blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

Belladonna. Standard deep blue. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.20.

Bellamomum Improved. A reselected strain of this popular variety. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

***Lamartine.** Deep, bright marine blue with white eye. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.75.

***Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine free-flowering hybrid strain. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$2.70; 4 oz., \$9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c 1/4 oz., \$1.60; 1 oz., \$5.50.

Gold Medal Hybrids. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Cardinale. Bright scarlet. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.40.

DELPHINIUM CHINENSIS

(Annual Delphinium)

(20,000 seeds per oz.)

***Blue Mirror.** Bright navy blue flowers without spurs. Tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.

***Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c; 1/4 oz., 75c 1 oz., \$2.60.

White Dark Blue Mixture

Prices above 3, each: Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

There are two distinct types of Delphinium—the Hybrids, and what we might refer to as the Belladonna type. The latter are not so strong in growth or long stemmed as the Hybrids, but flower more freely. Decidedly the best Hybrids are the Giant Pacifics originated by Vetterle and Reinelt of California. They are available in a fine line of colors from light to the darkest blue, lavender, mauve and white. Nearly all come remarkably true to color considering their strong Hybrid origin, and they are quite resistant to mildew. Our own experience the past season indicates that all varieties will flower freely outdoors the first summer during August and September from a late January or early February sowing. The class known as Chinensis, usually grown as an annual, is not so vigorous as the above and rather short stemmed, but earlier flowering.

GIANT PACIFIC HYBRIDS Court Series

***Percival Series.** Large glistening white flowers with strongly contrasting black bees. **Originator's seed only.**

***Blue Bird Series.** The clearest of medium blues with white bee.

Black Knight Series. Deep mid-night violet. The darkest of them all.

Blue Jay Series. A brilliant true medium blue with dark bee.

Cameliard Series. A pure lavender self with white bee. Very attractive.

***King Arthur Series.** Royal violet with white bee. Exceptional flower size.

Guinevere Series. See box above.

Galahad Series. See box above.

Summer Skies Series. See box above.

Round Table Series. Contains all the above varieties with many new color types not yet introduced.

Prices above 10, each: **Originator's seed.** 1/2 Tr. pkt., \$1.00; Tr. pkt., \$1.75; 1/8 oz., \$3.00; 1/4 oz., \$5.00.

Grown from Originator's Seed (Except Percival). Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

GIANT PACIFIC HYBRIDS Regular Strains

Clear White. A very fine clear white, large flowered hybrid Delphinium.

Blue Shades. One of our most popular strains. Mixture of light, medium and dark blue shades.

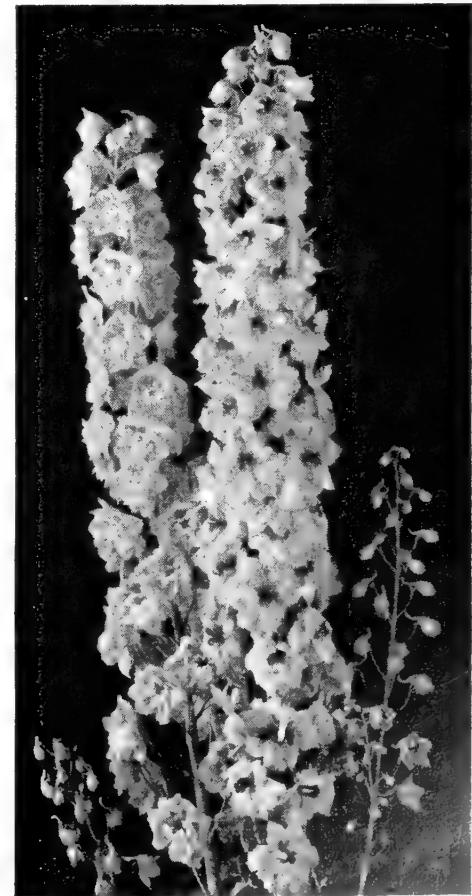
Lavender Pastel Shades. Mostly two-tone lavender combinations with brown or black bees.

Mixture. A complete mixture of all colors in this fine hybrid type.

Prices above 4, each: Tr. pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$12.00.

IMPORTANT!

We offer both the originator's and seed grown from the originator's stock in the Court Series of Giant Pacific Delphinium. The regular strain, while not quite up to the standard of the originator's, will be found satisfactory and far better than the cheap hybrids. In ordering any of the Court Series, please note the difference in price and specify "originator's" or "grown from originator's."



V. & R. Giant Pacific Delphinium.

Ball

**WILT
RESISTANT**

(12,000 seeds per oz.)

"Resistance" to Aster Wilt is only relative, and no grower should assume that "resistance" means the same thing as "immunity." While it is entirely true that these Asters have been bred to a high degree of resistance to the Wilt organisms existing in the originator's soil, there is considerable evidence to indicate similar but none-the-less different forms of Wilt may exist in other soils. The degree of resistance offered by these strains is therefore variable; however, there is no doubt but that they are far more satisfactory than non-resistant strains. Our past experience indicates that changing the location of the Aster planting regularly (or steam sterilizing), is a worthwhile safety precaution. We also try to minimize the number of transplanting checks by sowing a month before safe to plant out, then planting the seedlings direct to their permanent location. Our "Red Book" (50c) gives complete details on Aster culture as well as 150 other florists' crops.

OUR 12 BEST

***Queen of the Market Azure Blue.** One of the most popular colors in this early flowering class. A clear light lavender blue. Aug. 1 to 5.

***Queen of the Market White.** The earliest worthwhile cut flower white. Good branching habit and especially valuable for indoor growing. Aug. 1 to 5.

***Queen of the Market Ballet Queen.** This fully double, deep salmon rose is a valuable addition to the popular early "Queen" Aster group. Aug. 1 to 5.

***Royal Azure Blue.** An excellent clear light or azure blue that is one of the most used and saleable colors. A fine commercial cut-flower variety. Sept. 5 to 10.

***Royal Shell Pink.** Extra large incurved flowers borne on strong stems of medium length. A clear shade of pastel or shell pink closely resembling the old favorite Semple Pink. Sept. 1 to 5.

***Ball White Early.** Our own reselected strain of this fine variety. One of the most resistant varieties and an excellent commercial sort. Sept. 5 to 10.

***Ball White Late.** Long stemmed and large full petalled flowers, closely following our Ball White Early in flowering season. Sept. 10 to 15. Typically American Branching in flower type and habit. Probably the best mid-season white variety.

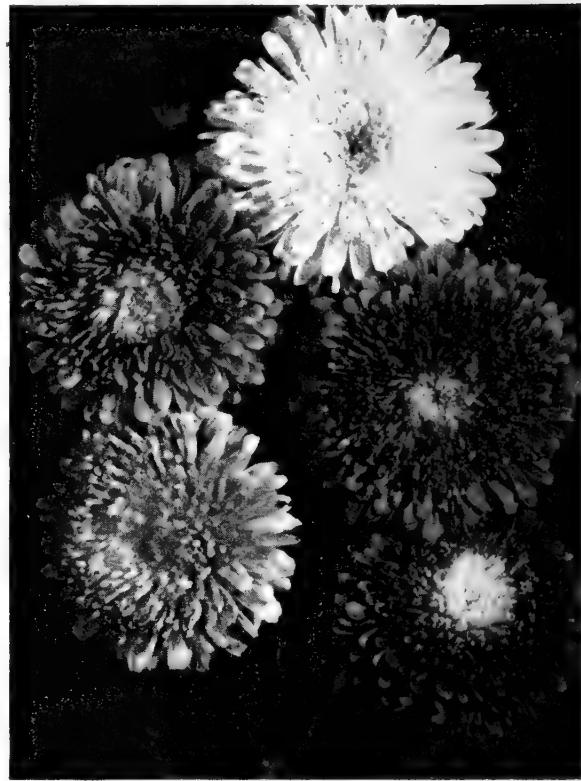
***Ball Deep Rose.** Extra long stemmed, large incurved, bright deep rose. This strain has been reselected for more fully double flowers. Continues to be the most popular variety on our list, being well adapted for shipping and handling. Aug. 25 to Sept. 5.

***Ball Deep Purple.** Identical in all respects to our Ball Deep Rose except in color which is a bright deep purple. A better market variety than Royal Purple; brighter flowers and longer stems. Aug. 25 to Sept. 5.

***Early Giant Light Blue.** Extra large and early flowering, with full petalled flowers of the shaggy California Giant type. A very attractive, clear azure or light blue with strong, medium length stems. A fine large-flowered variety for localities with early frost dates. Sept. 15 to 20. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. Sept. 15 to 20. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

Asters



The Princess type Aster shown here is finding increasing favor among retail growers.

***Early Beauty Silvery Rose.** Fine, large flowered light rose or phlox pink, deepening as the flower matures. Long stemmed and a strong grower. Mid-Sept. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***12 Best Mixture.** Our own high-class formula mixture made up by ourselves of the above varieties in proportion to their commercial value. Choice and well balanced.

PRICES on each of the above "12 Best" Aster varieties except as otherwise noted: Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

SPECIAL OFFER. For growers who are interested in trying all the 12 Best varieties separately rather than in mixture, we offer a tr. pkt. of each for \$3.40.

PRINCESS ASTERS

These types have crested or cushioned anemone centers, forming fairly hard flowers suited for shipping.

***Princess Anne.** Light rose pink with cream cushion.

***Princess Barbara.** Very attractive orchid.

***Princess Bonnie.** Silvery-rose with golden center.

***Princess Golden Sheaf.** Large flowered, creamy yellow.

***Princess Linda.** Pure, clear rose.

***Princess Marsha.** Deep rose shading to crimson.

Princess Mixture. Formula blend of above varieties.

Prices above 7, each: Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

BALL Resistant Asters—Continued

QUEEN OF THE MARKET

Popular early flowering class. The three finest varieties will be found in our 12 Best list.

Dark Blue. Rather deep rich shade of purple.

***Deep Rose.** Of the popular Ball Deep Rose color.

Flesh Pink. Shell pink; deepening as it matures.

Mid Blue. Between the popular Azure and Dark Blue.

Crimson. Plant moderately of this heavy color.

THE ROYALS

Second early, closely following Queen of the Markets. See also our 12 Best list.

Deep Rose. Slightly taller than other Royals.

Purple. Bright purple; prefer Ball Deep Purple.

White. A good white, but Ball White Early is preferred.

AMERICAN BRANCHING

The standard mid-season class, flowering with us around mid-Sept. Long stemmed and fine.

***Azure Blue.** An excellent, clear light blue.

***Ball Phlox Pink.** Light rose, deepening as flowers mature.

***Deep Rose.** Long stems and fine large flowers.

Heart of France. Distinctive scarlet-crimson color.

***Purple.** Rich violet-purple. Long stemmed.

***Rosalie.** Fine, completely double flowers of deep rich rose.

Semple Pink. Standard shell pink variety.

***White.** Excellent cut-flower white; true branching type.

EARLY BEAUTIES

A very fine, long stemmed class that always flowers in time to escape the average first frosts of the middle states.

***Azure Fairy.** Long-stemmed and large flowered azure blue.

Crimson. Color similar to Heart of France.

Deep Rose. A fine deep rose.

Purple. Long stemmed, deep purple.

Shell Pink (September Beauty). Delicate light pink.

***White.** Long stemmed and very choice.

SHAGGY TYPES

This includes the Early California Giants and the Cregos. Both have interlaced petals producing a fluffy effect.

Early Giant Peach Blossom. Same as Early Giant Light Blue in 12 Best list, but a pleasing light pink. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

California Giant Dark Purple. Highly resistant rich purple. Sept. 25 to Oct. 1. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***Crego Azure Blue.** Fine light blue. Sept. 10 to 15.

***Crego Blue Flame.** Resistant, deep bright blue. Sept. 5 to 10.

***Crego Deep Rose.** Fine large-flowered variety. Sept. 10 to 15.

***Crego Orchid.** Attractive orchid lavender. Sept. 5 to 10.

Crego Peach Blossom. Light rose deepening as flowers open. Sept. 10 to 15.

Crego Purple. A rich, bright color. Sept. 5 to 10.

Crego Shell Pink. Light clear pink. Sept. 10 to 15.

***Crego White.** Excellent pure white. Sept. 5 to 10.

Prices on all above varieties except as otherwise noted, each: Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

RESISTANT MIXTURES

Queen of the Market Mixture.

Crego Mixture.

Royal Mixture.

Early Beauty Mixture.

All Double Varieties Mixed. A wide range of types and colors for growers who sell quantities of mixed Aster plants.

Prices above 6 mixtures, each: Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$6.00.

***Single Base-Branching Mixture.** Single flowers in good color range are carried on plants of distinctly upright growth and base-branching habit. Tr. pkt., 30c; 1/4 oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

Single Rainbow Mixture (Special florists' strain). An attractive mixture of medium sized single blooms. Tr. pkt., 30c; 1/4 oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

TILFORD'S VARIETIES

Royal White

Royal Purple

Royal Dark Rose

Royal Shell Pink

The above 4 are available in Original Trade Packets only, at \$1.00 per packet.

NON-RESISTANT ASTERS

California Giant Mixed. Choice blend of large, fully double "shaggy petalled" flowers. Long stemmed. Late Sept. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.25.

Giant California Sunshine Mixed. Attractive assortment of colors in this large flowered anemone type. Has small center cushion with long ray petals. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.25.

Super Giant Los Angeles. Extra large, soft shell pink. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

KING OR NEEDLE TYPE

Attractively quilled petals gives these flowers an outstanding appearance. Mid-Sept. flowering.

***Rose.** A fine deep rose pink.

Violet. A rich and striking color.

Crimson. A deep color; rather heavy.

White. Popular commercial color.

Prices above 4, each: Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

King Mixture. Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$6.00.

IMBRICATED POMPONS

(17,000 seeds per oz.)

Small rounded flowers produced on upright growing, compact plants about 15 in. tall. Excellent for pot plants.

Violet **Light Blue** with white center. **Scarlet**
 Rose **Carmine** **White**

Prices above 6, each: Tr. pkt., 40c; 1/4 oz., 90c; 1 oz., \$2.80.

Mixture of all colors. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.10.

SINGLE ASTERS

Violet **Light Blue** **Deep Rose**
 Joffre (Red) **White**

Prices above 5, each: Tr. pkt., 30c; 1/4 oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

Profitable Marigolds

(10,000 seeds per oz.)

Modern plant breeders have almost done miracles with this old favorite. Today there are varieties which make excellent cut flowers (many without that characteristic Marigold odor), several that are outstanding as pot plants, or fit well into combination boxes—while nearly all the dwarf and medium types make a wonderful bedding show. Most Marigolds are easily flowered indoors in April and May from a January or February sowing. When grown under glass they must not be checked, especially by low temperature. This will result in buds being formed without sufficient growth.

FIVE BEST FOR CUTTING

The following five varieties are the most popular cut flower kinds on our list and under average conditions we believe they represent the most profitable sorts to grow for this purpose.



"Happiness" is a fine new Chrysanthemum-Flowered Marigold.

***Ball Giant Orange.** Similar in type to All Double Orange but somewhat larger flowered and of a more uniform deep, bright orange color. This, in our opinion, is the most profitable cut flower variety on the list. Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

***All Double Orange.** This belongs to the *Fistulosa* or large flowered, solid quilled-petal type. Produces nearly 100% double flowers, being preferred to Prince of Orange on this account. An excellent, long-stemmed cut flower strain.

***All Double Lemon.** Identical to the above strain, but a clear lemon yellow.

***Gold Improved.** The popular Carnation flowered intense orange with odorless foliage. Excellent for greenhouse forcing.

***Yellow Supreme.** Similar to Gold Improved but with flowers a rich creamy yellow. Odorless foliage.

Five Best Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

Prices on above except Ball Giant Orange, each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.

ODORLESS MARIGOLDS

For those who dislike the pungent odor of Marigold foliage these varieties will be found valuable. The following 4 are described elsewhere on this page:

***Gold Improved**

***Yellow Supreme**

***Golden Supreme**

Crown of Gold

***Odorless Carnation Flowered Mixture.** Ranges in color from deep orange to light yellow. All are of the popular Carnation flowered type. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00.

All Double Mixture. A mixture of All-Double Orange and Lemon, with some intermediate shades. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.

Prince of Orange, Imp. Bright orange of true quilled-petalled *Fistulosa* type. Produces 60 to 70% fully double, balance semi- and single. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60.

Lemon Queen Improved. Same as above but bright lemon yellow. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60.

***Golden Supreme (New).** A bright golden yellow Carnation flowered Marigold midway in color between Gold Improved and Yellow Supreme. Odorless. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.

***Guinea Gold.** A Carnation flowered golden orange long-stemmed. Freely produces loosely petalled 3 in. flowers. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.

***Sunset Giants.** An extra large Carnation flowered strain. Long stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65 to 75% true to type. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Orange Sunset. A bright orange selection from Sunset Giants. A first class variety. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Crown of Gold. Small golden yellow crested flowers; odorless. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.25.

WINTER FLOWERING. This class is for winter flowering from a fall sowing and will not flower during summer.

Australian Tree. Golden yellow crest with mahogany guard petals. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

Lieb's Brown and Gold. Similar to above.

Lieb's Winter Sunshine. Solid golden yellow.

Prices above 2, each; Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

Winter Harmony. Bright orange crest with reddish guard petals. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

MARIGOLDS—Continued

CHRYSANTHEMUM FLOWERED NOVELTIES

***Happiness** (New). Early, and blooms very profusely with 2 1/2 in. Mum type flowers of rich golden yellow produced throughout the summer. The bushy growth made a fine bedding show in our outdoor trials last season. Height 16 to 18 in. Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

Mammoth Mum (New). The largest of the Chrysanthemum flowered Marigolds. Light sulphur-yellow. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.40.

***Limelight**. Primrose yellow Chrysanthemum-like flowers, 2 in. across, are freely produced on 20 in. plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

MISSION GIANTS

Produces almost perfect ball shaped Chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth and well suited for either spring greenhouse or outdoor culture.

***Goldsmith**. A very attractive light golden orange in this popular class. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

***Yellowstone**. Same as above but a clear yellow. A very pleasing color. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

Mission Giant Mixed. A well balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.70.

DWARF BEDDING MARIGOLDS

(9,000 seeds per oz.)

OUR FIVE BEST

***Spry**. Extra dwarf and free flowering. Medium small anemone type flowers with golden crest and contrasting dark red guard petals. Exceptionally attractive.

***Ball Dwarf Harmony**. The medium small anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.

***Butterball**. A very choice fairly dwarf anemone-flowered variety. Crest and guard petals a light golden or butter yellow faintly tipped with maroon.

***Sunkist**. Uniformly dwarf and compact with solid, deep golden orange anemone type flowers about an inch in diameter.

***Yellow Pygmy**. Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon yellow and practically 100% true.

5 Best Dwarf Mixed. Our own carefully balanced mixture of the above varieties.

Prices above 6, each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Other Fine Bedding Varieties

***Gold Crest**. Similar to Butterball, listed above, except for slightly darker golden yellow flowers. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

***Cupid**. Dwarf in habit with 2 in. primrose yellow Chrysanthemum-like flowers. A fine variety for edging or borders. Odorless foliage. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.20; 1 oz., \$3.60.

Red Head (New). A fairly dwarf anemone flowered variety with orange crest, tipped maroon, and copper red to mahogany guard petals. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Melody. A solid clear golden orange anemone flowered type. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

***Harmony**. Attractive anemone type flowers with orange crest and maroon guard petals. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

***Naughty Marietta**. Uniform semi-dwarf, bushy plants, but vigorous and free branching with finely netted leaves. A very prolific bloomer with 2 in. single flowers of golden yellow, each petal having a mahogany base. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

***Gnome** (Little Giant Improved). Uniform ball shaped plants with dainty fern-like, fragrant foliage. Plants are literally covered with small 1/2 in. single flowers of a pleasing bright golden yellow shading to orange at center. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

Golden Harmony. Very similar to Harmony in flower type and habit but a solid bright golden yellow. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Harmony Hybrids. A mixture of colors in the dwarf double-type. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

Monarch Mixed. A bright mixture of orange, yellow and mahogany colors in this fully double rounded flower class. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c; 4 oz., \$2.90.

***Primrose** (Improved Pallida). Dense growing dwarf plants with fully double pompon-like flowers about an inch in diameter. Color is a rich golden yellow. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Royal Scot. Showy, fully double flowers striped gold and mahogany. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Robert Beist. Dwarf double, deep rich mahogany-red. Nice. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Scarlet Glow. Bright bronzy red, double flowers 1 1/2 to 2 inches across are borne on dwarf plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

***Dwarf French Double Mixed**. An extremely gay and colorful mixture of dwarf double sorts. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00; 1 lb., \$10.00.

***Firecross**. Dwarf single. An attractive orange with mahogany center. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

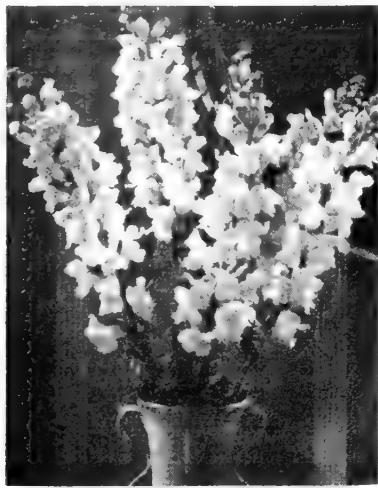
Legion of Honor. Very similar to Firecross, but lighter in color. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

***Flash**. Single mahogany flowers with golden yellow margins are freely produced on medium dwarf plants. Tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$1.80.



Whether grown in small pots or plant bands, Dwarf Marigolds make useful material for spring combination boxes.

Greenhouse Forcing Snapdragons



Ball Snaps mean quality—always.

Growers shouldn't overlook the possibilities in a January sowing of Forcing Snaps for greenhouse flowering. If planted about 4 x 6 in. and grown single stemmed, a first class crop can be had for that late spring and early summer business. In addition many of the stronger growing greenhouse varieties are well suited for outside planting in localities where rust is not a factor. Not only are they earlier flowering than most of the Summer class, but the colors are much more complete and uniform. For this purpose sowing should be done about three months before time for planting out and plants carried along in pots or plant bands.

PLEASE NOTE

½ tr. pkts., of any variety priced at \$1.00 are supplied at **60c**; ½ pkts. of \$1.50 varieties, **\$1.00**. No. ½ pkts. on \$2.00 or \$3.00 varieties **EXCEPT WHERE NOTED**. While we obviously have no control over the amount of seed in originator's packets, all of our own contain at least 2,000 seeds.

HYBRID VARIETIES

- ***Ball Yellow Hybrid No. 1.** Limit, one Tr. pkt., until June 15th. ½ Tr. pkt., **\$1.75**; Tr. pkt., **\$3.00**.
- ***Better Times.** The brightest cerise-rose in forcing Snaps. ½ Tr. pkt., **\$1.25**; Tr. pkt., **\$2.00**.
- ***Christmas Cheer.** SOLD OUT until June 15th. ½ Tr. pkt., **\$1.75**; Tr. pkt., **\$3.00**. Substituting Delworth's Supreme.
- ***Dorcas Jane.** A second early with good stems and long spikes of soft silvery rose. ½ Tr. pkt., **\$1.50**; Tr. pkt., **\$2.50**.
- ***Mary Ellen.** Long stemmed, clear light pink. ½ Tr. pkt., **\$1.50**; Tr. pkt., **\$2.50**.
- ***Maryland Pink.** ½ Tr. pkt., **\$1.75**; Tr. pkt., **\$3.00**.

BALL TEN BEST

(Self-Pollinated Varieties for Spring)

- ***Ball Lavender.** Long stemmed and strong growing with long, heavy spikes of pleasing orchid lavender. Tr. pkt., **\$1.50**.
- ***Cheviot Maid No. 33 (Yoder).** Beautiful medium rose pink; clean growing and productive. Tr. pkt., **\$1.50**.

	Tr. Pkt.
* Afterglow. Popular standard orange bronze.....	\$1.00
* America. Very attractive rose and orange bi-color.....	1.50
Ball Dwarf White. Nice dwarf white for pots.....	1.00
Ball Early Pink. Early flowering rose pink.....	1.00
Ball Gold. Golden yellow.....	1.50
* Ball Supreme Red. A rich, velvety crimson red.....	1.50
Bertha Baur. Prefer Ball Lavender.....	1.50
Bronze Christmas Cheer. ½ Tr. pkt., \$1.25	2.00
Carol Jean. Light, creamy yellow.....	2.00
Ceylon Court. Standard yellow.....	1.00
* Cheviot Maid Reselected (Ball). Popular rose pink.....	1.00
Coates' Yellow Perfection. Fine spring flowering yellow.....	1.00
Daybreak. Clear light pink.....	1.00
* Early Cincinnati (Ball). Early flowering light rose.....	1.00
Feist's White. Creamy white with yellow lip.....	2.00
Gilbert's Pink. Deep rose pink.....	1.50
* Glorious. Bright reddish bronze for spring.....	1.50
Ideal Imp. (Hodaly's). Blend of rose, orange and yellow.....	1.50
Junglewood Lemon. Light yellow. ½ Tr. pkt., \$1.25	2.00
Kirkwood Beauty. Orange bronze.....	1.00
* Klondike Supreme. Vigorous growing deep yellow.....	1.00
Koester's White. Early flowering pure white.....	1.50
La France. Light pink	1.50
* Lucky Strike Imp. Long stemmed uniform white.....	1.50
Madeline. Ahner and Stoecker's new white.....	3.00

	Tr. Pkt.
Maiden's Blush Imp. Pale pink. ½ Tr. pkt., 85c	\$1.50
* Marie Louise. Beautiful light shell pink.....	2.00
Marion. Nice white for spring.....	1.50
* Miss Wooster. Spring flowering, golden orange.....	1.00
* New Cincinnati. Medium rose pink; long spikes.....	1.00
* Peace (Ball). An excellent pure white for spring.....	1.50
Red Lips. SOLD OUT until June 15th.....	2.00
Rockwood Pink Supreme. Fairly deep, bright rose pink.....	2.00
* Rose Queen. Standard deep rose for spring.....	1.00
* Schaffroth's White. Excellent variety; long stemmed....	1.50
Schisler's Red. Glowing wine red; true to color.....	2.00
Schumann's Lavender. Popular spring variety.....	2.00
Snowdrift. SOLD OUT until June 15th.....	3.00
Snow White. Fine white; many flowers duplexed.....	1.50
* Sunlite (Ball). Extra early golden bronze.....	1.00
Talisman Imp. Double and semi-double golden bronze....	2.00
Tetraploid Rose. Extra large, deep cerise rose.....	1.50
* Thompson's Yellow Imp. Early flowering deep yellow....	2.00
* Westover's Fringed White. Large ruffled white.....	1.00
* Westover's Fringed White Early.	1.50
* White Wonder Imp. SOLD OUT until June 15th.....	1.50
* Windmiller's Lilac-Lavender. Rosy lilac.....	1.50
Yellow Peggy Schumann.	2.00
Yellow Wonder Improved. Extra early yellow.....	1.50
Standard Early Mixed. All varieties.....	.75

Outdoor Snapdragons

(175,000 seeds per oz.)

An early February sowing of the longer stemmed varieties will produce a good crop of cut flowers early summer outdoors,— and don't overlook the Nanum class for bedding; Gloria is an especially choice variety.

BALL TEN BEST

(Rust Resistant)

- ***Alaska** (Maximum). The best long stemmed clear white variety for cutting.
- ***Canary Bird** (Maximum). Long stemmed clear light yellow. Good cut-flower type.
- ***Cherry Red** (Majus Grand.). A bright, rosy cerise-red with some color variation.
- ***Copper Queen** (Maximum). Shades of bronzy copper; long stemmed and attractive.
- ***Maximum Crimson**. A warm deep glowing crimson; valuable for cutting.
- ***Orange Shades** (Majus Grand.). Bright and showy; not the usual coppery bronze.
- ***Pinkie** (Majus Grand.). A lighter rose shade than Rosalie; very fine.
- ***Rosalie** (Majus Grand.). A rich deep rose; fine for cutting. Our most popular summer Snap.
- ***Swingtime** (Maximum). Fine medium light pink with white throat.
- ***Yellow Jacket** (Majus Grand.). An exceptionally attractive deep rich yellow.
- ***Improved California Mixture**. A carefully blended formula made up by ourselves of the above varieties.

Prices above 11, each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

STANDARD SUMMER SNAPS

TETRAPLOID. Giant Ruffled "Tetra." This race of Snapdragons has larger cells with double the ordinary number of chromosomes. Because of these larger cells the spikes are more full with larger, thicker ruffled florets, more durable foliage and heavier stems. All colors are represented in this well balanced mixture. Tr. pkt., 50c; $\frac{1}{16}$ oz., 90c; 1/8 oz., \$1.60; 1/4 oz., \$2.90.

MAXIMUM. The long stemmed type for cutting.

Appleblossom (Rust Res.). Pink with white tube.

Campfire (Rust Res.). Bronzy scarlet.

Copper King (Rust Res.). Fine copper-scarlet.

Daffodil (Rust Res.). Canary yellow.

***Loveliness** (Rust Res.). Shades of light pink.

***Red Cross** (Rust Res.). Striking red, yellow and white.

***Yellow Giant** (Rust Res.). Rich yellow.

Mixture (Rust Res.). Choice colors.

Irish Melodies (New). Unusual bicolor shades of lavender, terra cotta, cream, yellow and bronze, flecked and blotched with pink or white. This should appeal to your customers who want something different.

Prices above 9, each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

***Velvet Giant.** The rich, velvety crimson red flowers of this variety are much larger than other outdoor Snaps, and the spikes are heavier. With some support to keep stems straight, this is a very satisfactory cut flower. The strain we offer is quite uniform and true to type. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.80.



The dwarf "Nanum" Snaps make excellent bedding subjects.

MAJUS GRANDIFLORA. Not quite as long-stemmed as the Maximums, but long enough for cut flowers. Large flowered.

Harmony. Apricot-pink shades.

Padre (Rust Res.). Brilliant crimson.

Shasta (Rust Res.). Creamy white.

***Hybrid Mixture** (Rust Res.). A carefully balanced mixture.

Prices above 4, each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

MAJESTIC. Extra large flowered with medium long stems.

Golden Dawn. Light golden bronze.

***Rose Sensation** (Rust Res.). A fine shade of light pink.

Mixture (Rust Res.).

Prices above 3, each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

MANUM GRANDIFLORUM. The dwarf class for bedding

***Gloria.** Uniformly dwarf and bushy in habit with freely produced deep rose pink flowers. We offer the true imported strain of this outstanding bedding Snap. Tr. pkt., 50c; $\frac{1}{16}$ oz., 85c; 1/8 oz., \$1.50; 1 oz., \$5.00.

Golden Queen. Rich golden yellow. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

***St. George.** Flashing orange cerise. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Mixture (Rust Res.). Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

TOM THUMB Magic Carpet. An attractive mixture of colors in this extra dwarf class (4 to 6 in.) Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Spring Flowering Sweet Peas

(350 seeds per oz.)

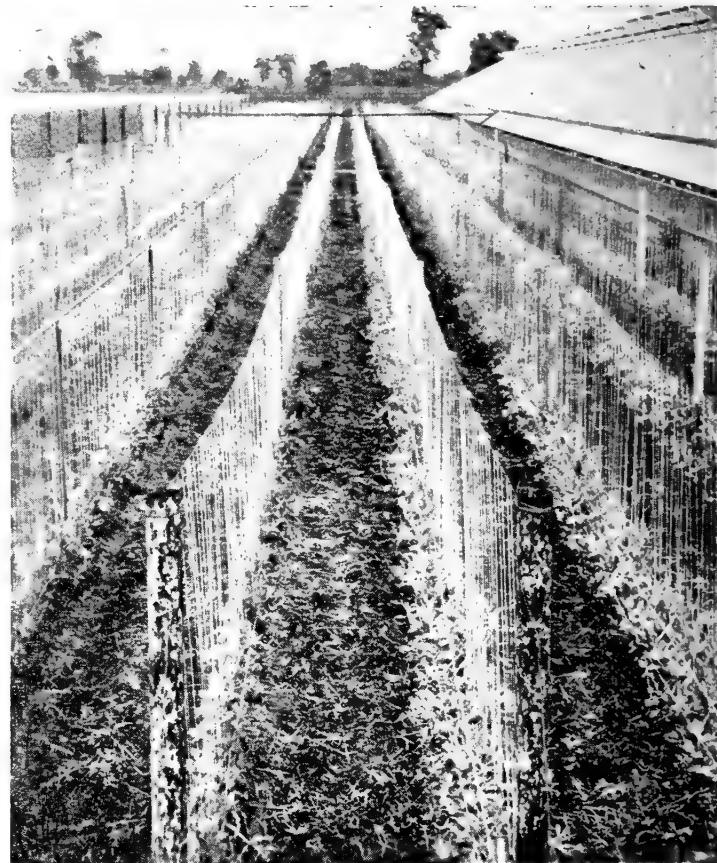
Cuthbertson Strain

Spring Flowering Peas are being increasingly used for outdoor planting because of their earliness combined with good stems, and we suggest that you compare them with the Late or Summer class under your own growing conditions. For January greenhouse sowing, these Spring varieties have better stems and the crop lasts longer than the Winter Flowering type.

- Billy.** Bright cerise rose on salmon; very showy.
- *Carol.** Attractive clear pink on white ground.
- *Coline.** Vivid, intense scarlet.
- Danny.** Brilliant deep marine blue.
- Evelyn.** Extra long stemmed, soft salmon pink.
- *Frank G.** Fine soft rosy lavender. Named for the originator of the new Cuthbertson strain.
- Hazel.** Soft, light "Princess Blue" shade.
- *Janet.** Large frilled flowers of pure white are carried on long heavy stems; black seeded.
- Jennie (New).** White seeded white.
- *Jessie.** Closely resembles Winter Flowering "Triumph" in its rich lilac coloring.
- *Lois.** Light rose pink, similar in color to "Ball Rose Queen" in the Winter class.
- *Tommy.** A clear mid-blue about the color of "Mrs. Hoover" in the Winter class.

Prices above 12, each: $\frac{1}{2}$ oz., 35c; 1 oz., 65c; 4 oz., \$2.00; 1 lb., \$6.50.

***Mixture.** A mixture balanced according to demand for each color. $\frac{1}{2}$ oz., 30c; 1 oz., 55c; 4 oz., \$1.65; 1 lb., \$5.50.



An early start, controlling aphis and plenty of water are the big points in growing a profitable crop of outdoor Peas.

SUMMER FLOWERING PEAS

(350 seeds per oz.)

BALL 10 BEST

- Pinkie.** Finest large flowered rose pink; long stemmed and a heavy producer.
- Snow White.** The finest clear white; black seeded. Improves Gigantic in vigor of growth and flower size.
- Ball Shrimp Pink.** A pleasing soft shrimp pink. Vigorous growth and long stems make this outstanding.
- King Lavender.** Exceptionally fine clear even lavender with long, strong stems. Excellent growth.
- Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.
- Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem, and a heavy producer.

Maytime. A bright golden cerise with large flowers and long stems.

***Olympia.** A rich mauve; similar in color to the winter flowering variety, Triumph.

Stylist. Large flowers of clear deep salmon rose pink.

***Sweet Afton.** Strong growing clear bright pink. An excellent variety.

Ball Best Mixture. Composed only of the best varieties in proportion to their commercial value.

Prices above 11, each: $\frac{1}{2}$ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.

STANDARD VARIETIES

- Ambition.** Rosy lavender.
- *Bonny Briar.** Bright rose pink.
- *Chinese Blue.** Good clear medium blue.
- *Ecstasy.** Attractive light salmon or shrimp pink.
- *Gigantic.** Excellent, pure white; black seeded.
- Headlight.** Sunproof orange scarlet
- Highlander.** Fine large lavender.
- Miss California.** Large salmon rose

Powerscourt. Strong growing, standard lavender.

***Red Rover.** Deep crimson (same as Redwood in Earlies).

Prices above 10, each: $\frac{1}{2}$ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.

Florists' Mixture. All colors in the late flowering class. 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.25; 5 lbs., \$10.00.

Winter Flowering Sweet Peas

(1350 seeds per oz.)

While we prefer the Spring Flowering for late greenhouse planting, the Winter class does flower earlier and in some sections is preferred even for outdoor planting.

OUR 12 BEST

- ***Ball Blue Supreme.** The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.
- ***Ball Orange Supreme.** Improves the original Ball Orange in better stem length and more brilliant color.
- ***Ball Rose Queen.** Extra long stemmed and large flowered clear rose pink. One of the finest commercial varieties.
- ***Ball Rose Supreme.** Large wavy flowers of bright silvery rose pink. Good stems and free flowering.
- ***Ball Salmon.** Fairly deep salmon pink; an excellent producer.
- ***Ball White.** The finest long stemmed pure white; white seeded.
- ***Fiesta.** The finest red in early peas.
- ***Hiawatha.** Fine deep rose; a warm, rich color for spring.
- ***Rhapsody.** Extra large flowered, deep rosy lavender.
- ***Treasure Island.** Large, wavy orange scarlet flowers.
- Triumph.** Long stemmed, rich lilac mauve; very well liked on most markets.
- ***Twilight.** A bright clear lavender. Considered by many as an improvement over Harmony.
- ***12 Best Mixture.** Our own formula mixture of the above varieties.

Prices above 13, each: $\frac{1}{2}$ oz., 30c; 1 oz., 50c; 4 oz., \$1.50;
1 lb., \$5.50.

GENERAL LIST

- American Beauty.** American Beauty rose.
- Apollo.** Salmon cerise; fine for spring.
- Attraction.** Long stemmed salmon rose.
- ***Bacchus.** Deep maroon purple. Large flowered.
- Blue Danube.** A clear deep blue.
- Boon.** Deep salmon rose.

- Bridesmaid.** Delightful silvery pink. Long stemmed.
- Cascade.** Extra large white seeded white.
- ***Daphne.** Soft salmon pink on cream. Large flowered.
- Fragrance.** Clear lavender for spring flowering.
- ***Gardenia.** Long stemmed pure white for spring.
- Harmony.** Standard early flowering lavender.
- ***Hope.** Fine black seeded white.
- Jeanne Mamisch.** Clear rose; long stemmed.
- Josie.** Rose pink; rather small flowered.
- ***Laddie Imp.** Long stemmed fairly light rose pink.
- Majestic Rose.** Fine large flowered pink.
- Michigan.** Clear lavender.
- ***Mrs. Hoover.** Standard early mid-blue.
- ***Mother Machree.** Large coral rose flowers; semi-duplexed.
- ***New Ball Rose.** Free flowering, rich deep rose.
- Oriental.** Black seeded cream.
- Pride.** Extra long stemmed brilliant cerise.
- ***Princess Blue.** Large flowered light blue; very attractive.
- ***Redwood.** Large flowered, deep velvety crimson.
- ***Rhumba.** Excellent salmon cerise for spring.
- Sequoia.** Large flowered standard salmon rose.
- Signal Red.** Long stemmed brilliant red.
- ***Sparks.** The finest poppy scarlet.
- ***Tahoe.** Fine mid-blue for spring flowering.
- ***Titania (New).** Extra large flowered deep rose; heavy stems.
- Top Hat.** Deep bright violet blue.
- ***Tops.** Extra large, wavy flowered, light salmon rose.
- Top Sergeant.** Deep crimson red without purple shading.
- ***White Harmony.** Similar to Hope; black seeded.

Prices all above Winter varieties, each: $\frac{1}{2}$ oz., 30c; 1 oz., 50c;
4 oz., \$1.50; 1 lb., \$5.50.

Ball Early Mixture. Carefully balanced mixture of Winter varieties. $\frac{1}{2}$ oz., 25c; 1 oz., 45c; 4 oz., \$1.35; 1 lb., \$5.00.

Ball Calendula

(3,000 seeds per oz.)

BALL GREENHOUSE VARIETIES

This long stemmed class will flower freely during the spring months from a January sowing.

- ***Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Golden orange with light eye.
- ***Ball Masterpiece.** Deep glowing orange with dark eye.
- ***Ball Lemon Queen.** Lemon yellow with dark brown eye.
- ***Ball Gold.** Deep golden yellow with light eye.
- Ball Orange.** Extra deep, intense orange. Light-eyed.
- Ball Apricot.** Our own strain of this dark-eyed, buff variety.
- Campfire.** Popular deep orange.

Prices above 7, each: Tr. pkt., 40c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00;
4 oz., \$6.50.

Ball Formula Mixture. Carefully made up of our named varieties with fully half orange.

Ball Art Shades Mixture. Contains many original and unusual shades and interesting bi-colors.

Prices above 2, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50;
4 oz., \$5.00.

DWARF BEDDING VARIETIES

Showy for bedding where summer heat is not excessive.

- Lemon Queen.** Light lemon yellow.
- ***Orange King.** Deep orange with dark eye.
- ***Ball Bedding Mixture.** Well proportioned dwarf mixture.

Prices above 3, each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c;
4 oz., \$2.40; 1 lb., \$7.00.

NEW PACIFIC BEAUTIES

This new bedding Calendula is more resistant to summer heat, and carries its larger flowers on longer stems than the ordinary bedding class.

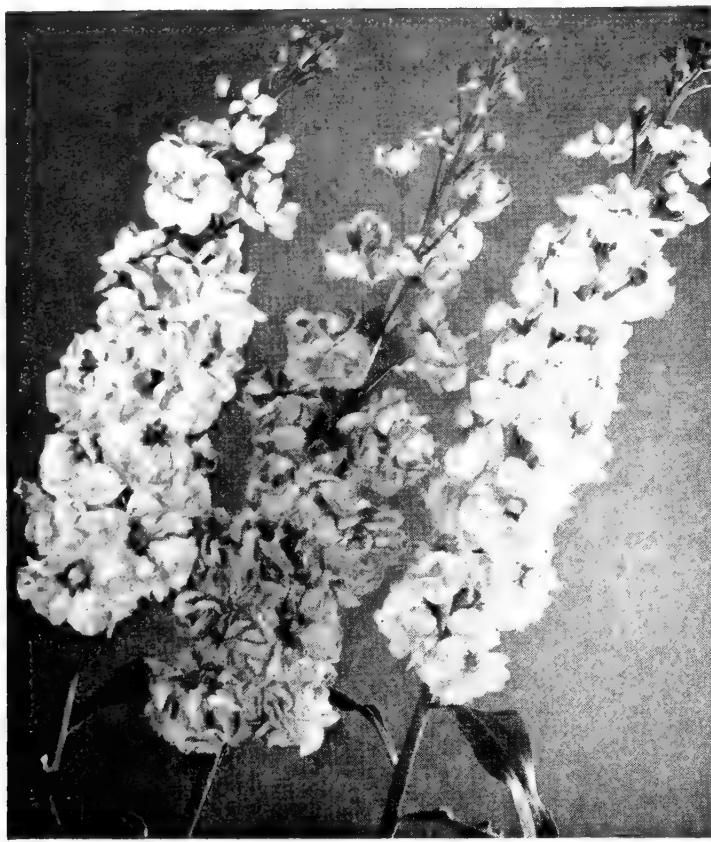
- Apricot Beauty.** Attractive two-toned rich apricot.
- Cream Beauty.** Creamy white shading to soft yellow.
- Lemon Beauty.** A pure lemon yellow; wide petals.
- Persimmon Beauty.** Brilliant, true persimmon orange.
- Pacific Beauty Mixture.** A blend of the above 4.

Prices above 5, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

Ball Stocks

NON
BRANCHING

(8,000 seeds per oz.)



Flowers from our Easter cut of Ball Stocks. A profitable crop.

OUR THREE FINEST

- *NO. 16 BALL WHITE IMP.
- *NO. 1 LILAC LAVENDER.
- *NO. 22 BALL SUPREME.

Prices on All Above Non-Branching Stocks, each:

1/2 Tr. pkt., 60c; Tr. pkt. (about 1,200 seeds), \$1.00; 1/4 oz., \$2.50; 1 oz., \$9.00.

BRANCHING STOCKS

IMPROVED BISMARCKS

- Antique Copper.** Fine copper red.
- Apple Blossom.** Pale, delicate pink.
- Blood Red.** Bright ruby red.
- *Chamois.** Clear chamois or buff.
- *Elk's Pride.** Rich purple.
- Flesh.** Pale coral pink.
- Golden Ball.** Ivory yellow.
- *Lavender.** Clear lilac lavender.
- Lilac.** Fairly deep lilac blue.
- *Rose.** Fine bright rose pink.
- *Shasta.** Giant-flowered white.
- Formula Mixture** of above colors.

Prices above 12, each: Tr. pkt., 35c;
1/4 oz., \$1.15; 1 oz., \$3.50.

BEAUTY OF NICE

- Cote D'Azure.** Light lavender-blue.
- Flesh Pink.** (Beauty of Nice).
- Mont Blanc.** Extra early pure white.
- Queen Alexandra.** Fine rosy lilac.
- Mixture.**

Prices above 5, each: Tr. pkt., 30c;
1/4 oz., 75c; 1 oz., \$2.65.

DWARF TEN WEEK

- Blood Red** Carmine-Pink Lavender
- Canary-Yellow** Deep-Rose Purple
- White** Formula Mixture

Prices above 8, each: Tr. pkt., 25c;
1/4 oz., 65c; 1 oz., \$2.00.

PERPETUAL BRANCHING

- Empress Victoria.** Lilac. Mixture
- Prices above 2, each: Tr. pkt., 30c;
1/4 oz., 75c; 1 oz., \$2.65.

Ball Begonias

FIBROUS ROOTED

While Fibrous Rooted Begonias may be sown at any time, a January sowing will produce choice plants for spring combinations or bedding. Important points in sowing are to use no soil covering on this fine seed and keep uniformly moist. All our Begonia seed is triple cleaned by hand, insuring more **good** seed and less dust in every packet. Remember—it's **plants** per packet that really count.

DWARF CLASS

- ***Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pk., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- ***Ball Deep Rose.** Under winter and spring conditions the color is a deep rosy red which gradually fades to a luminous pink with the coming of warmer weather. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- ***Ball Red.** Medium large flowers of bright true scarlet are freely produced on fairly dwarf, uniform plants. This is more inclined to rot than most varieties if watered carelessly. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- ***Ball White.** Rather small flowers but very freely produced. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- ***Luminosa Compacta.** Dwarf, free flowering scarlet red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
- ***Pink Pearl.** HETEROISIS STRAIN. Resembles Adeline in flower size, rich pink color and uniformly dwarf, compact growth. This is the genuine imported Hybrid seed. Originator's Tr. pkts. only, \$1.50.
- ***Red Pearl.** HETEROISIS STRAIN. Identical to Pink Pearl except for its Luminosa red color. Originator's imported Hybrid seed. Tr. pkts. only, \$1.50.
- ***Snowbank** (New). Large, glistening white flowers are carried on dense growing, even plants. Tr. pkts. only, \$1.00.

Dwarf Varieties Mixed. Our own formula mixture of dwarf varieties. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

EXTRA DWARF CLASS

Ideal for small pots, combinations, or out-door bedding borders where summers are moderate.

- ***Ball Dwarf Carmen.** Extra compact habit with rich bronze leaves and light pink flowers. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$3.50.
- ***Saga** (New). Extra dwarf and dense growth. Small, bright Luminosa red flowers are very freely produced. Tr. pkts. only, \$1.25.

INTERMEDIATE CLASS

- ***Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- ***Fire Sea** (Blaze of Fire). Large fiery red with green foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- ***Indian Maid.** Foliage a deep lustrous bronze with scarlet flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- ***King of the Reds.** Free flowering rose red; vigorous growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- ***Luminosa.** Very attractive and popular scarlet red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
- Prima Donna.** Medium rose pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.
- ***Scandinavia Pink.** Very free flowering bright rose pink. Fine bushy pot plant habit. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.



Fibrous rooted Begonias are always colorful and appealing.

***Scandinavia Red.** SOLD OUT until August.

Scandinavia White. A white Scandinavia selection. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

White Pearl. Medium sized white flowers with green leaves, tinged pink; reddish stems. Tr. pkts. only, \$1.00.

Intermediate Varieties Mixed. Our own mixture made up of the above separate colors; carefully blended. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

TALL CLASS

Christmas Cheer. Large flowered, deep crimson rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Masterpiece. Extra large flowered, clear pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

***Pink Radio.** Extra large flowered, rich rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

***Silver Wings.** Extra large pure white flowers with bright green foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Tall Varieties Mixed. A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

MISCELLANEOUS BEGONIAS

***Tuberous Rooted Double Mixed.** Gorgeous colors with 80 to 90% good doubles. Tr. pkt., \$2.50.

Tuberous Rooted Single Mixed. Attractive mixture; large flowered. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

***Lloydii Mixed.** Nice 4 in. plants of this graceful pendulous Begonia can be grown in 6 or 7 months from seed. Double flowers, about 2 in., in shades of scarlet, rose, salmon and white. Tr. pkt., \$3.00.

Rex Hybrids. Mixture of ornamental leaved Rex Begonias; many unusual variations. Seed is quite small and requires extra care in germinating. Tr. pkts. only, \$1.00.

Popular Annuals For Bedding and Cutting

On this and the following pages thru page 39 we have grouped, in alphabetical order, all our valuable bedding and cut flower annuals except specialties on foregoing pages. Perennials will be found starting on page 40. In selecting these varieties, we keep in mind the interest of the professional or commercial grower only, thereby giving meaning to our business—"Flower Seeds for Florists."

To better enable you to judge the amount of seed you'll need for your planting requirements we have indicated the number of seeds per ounce of all important items listed. For example: **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 60 to 70 percent.

The asterisk (*) indicates varieties most dependably satisfactory in our experience and observation.

ACROCLINIUM

New Hybrids (Sensation Giants). 8500 S. An extra large semi-double strain of brightly colored straw-flowers for spring cutting. Shades of rose, pink and white. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

AGATHAEA

Coelestis (Blue Daisy). 27,000 S. Fairly tall (30 in.) and useful for cutting. Of slow germination. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **50c**.

AGERATUM

MEXICANUM 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **65c**; $\frac{1}{2}$ oz., **\$1.20**; 1 oz., **\$4.00**.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **45c**; 1 oz., **\$1.50**.

AGERATUM, Continued

***Blue Bedder.** Fairly uniform in growth and color with medium sized, freely produced bright blue flowers. 4 to 6 in. This and Midget Blue are the two finest seed-produced strains we know of. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **85c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$4.50**.

***Midget Blue.** Small, clear blue flowers are freely carried on dense small-leaved plants. Fairly even growth, 4 to 6 in. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **90c**; $\frac{1}{4}$ oz., **\$1.65**; 1 oz., **\$5.50**.

Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.50**.

Fairy Pink. 10 to 12 in. Shades of light pink. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **90c**; $\frac{1}{4}$ oz., **\$1.65**; 1 oz., **\$5.50**.

Imperial Dwarf White. 10 to 12 in. Medium dwarf, fairly clear white. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.25**; 1 oz., **\$4.00**.

***Golden Ageratum** (*Lonas inodora*). Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **75c**; $\frac{1}{4}$ oz., **\$1.35**; $\frac{1}{2}$ oz., **\$2.50**.

ALOE

***Variegata** (Tiger Aloe). 2 in. pot plants of this attractive green and yellow tigered succulent can be produced in less than a year. A valuable item for florists. 100 seeds, **\$1.50**; 500 seeds, **\$6.50**; 1000 seeds, **\$11.00**.

SAVE LABOR COSTS, VALUABLE SEED, TIME and PATIENCE

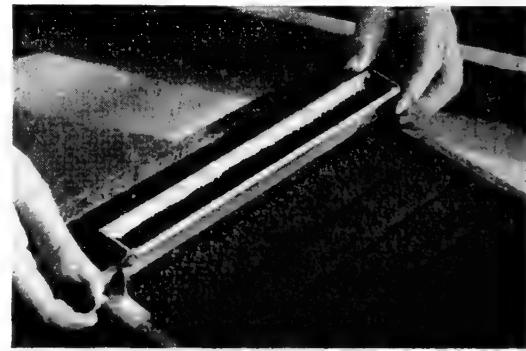
• Simple to operate • Nothing to get out of order • Sows a trade packet or a full ounce of seed • Made of rust proof metal • Should last a lifetime with ordinary care • Will save its cost this spring in sowing your bedding plant seed alone • Ideal for small growers.

As illustrated, these seeders fit across a seed flat and with a flick of the wrist, will sow a row at a time uniformly, and with just the right amount of seed. LITTLE WONDER SEEDER (at right) operates by turning knob shown on left which rotates drum, dropping seeds. Drums are interchangeable and are available in the 3 following sizes for sowing various kinds of seed: **Drum A** will handle Petunia, Snapdragon, Cineraria and Primula seed. **Drum B** will handle Celosia, Celery, Pansy, Alyssum and Stock seed. **Drum C** will handle Salvia and Cabbage seed.

Seeder made to fit either a 12 or 14 inch (outside width) flat. Can be made to fit any other size flat at slight additional cost. **Specify drums wanted and outside width of your flats when ordering.**

LITTLE WONDER SEEDER with any one drum sent postpaid for **\$12.75**. Extra drums **\$1.50** each. Seeder with complete set of 3 drums, **\$14.75**.

with these seeders



LITTLE WONDER SEEDER sowing Snapdragon seed.
Avoids damping-off caused by thick sowing.

MISCELLANEOUS ANNUALS—Continued

ALOE, Continued

Ferox (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, **50c**; 250 seeds, **\$1.00**; 500 seeds, **\$1.75**; 1000 seeds, **\$3.00**.

ALYSSUM

90,000 S. All are delightfully fragrant and do well even in poor soils. Valuable for combinations or bedding.

***Carpet of Snow** (Snowcloth). Produces a very dense flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **25c**; 1 oz., **75c**; 4 oz., **\$2.25**.

***Little Gem**. 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **90c**; 4 oz., **\$2.75**.

***Violet Queen**. 5 in. Fragrant, bright violet flowers are borne on dwarf compact plants. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.25**; 4 oz., **\$4.25**.

Lilac Queen. 5 in. Not as showy as above. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **25c**; 1 oz., **75c**; 4 oz., **\$2.25**.

Maritimum (Sweet Alyssum). 10 in., medium tall strain. Tr. pkt., **10c**; 1 oz., **35c**; 4 oz., **\$1.20**; 1 lb., **\$3.50**.

Perennial Alyssum, see page 40.

AMARANTHUS

Molten Fire. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

ANCHUSA

Blue Bird (Capensis). 1100 S. Attractive deep Forget-Me-Not blue flowers. 18 to 24 in. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **25c**; 1 oz., **75c**.

Perennial Anchusa, see page 40.

ARCTOTIS

Brevicarpa Aurantiaca. 7700 S. 6 in. Single daisy-like orange flowers with dark centers. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **85c**.

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

Large Flowered Hybrids. 3700 S. 2½ in. Gerbera-like flowers in many beautiful colors. Tr. pkt., **40c**; $\frac{1}{4}$ oz., **\$1.20**; 1 oz., **\$3.60**.

ASPARAGUS

750 S. We offer seed from a California specialist which germinates around 65 to 75% in a soil temperature of 70°.

Plumosus. *Sprengeri*.

Prices above 2, each: 100 seeds, **30c**; 250 seeds, **65c**; 1000 seeds, **\$2.00**; 5000 seeds, **\$9.00**.

Baby's Breath, see *Gypsophila*, page 31, and *Euphorbia Corollata*, page 43.

Asters, see pages 12 and 13.

BALSAM

DOUBLE BUSH FLOWERING. 3300 S. 15 in. Because flowers are produced above the foliage this class is by far the most attractive. Even in habit.

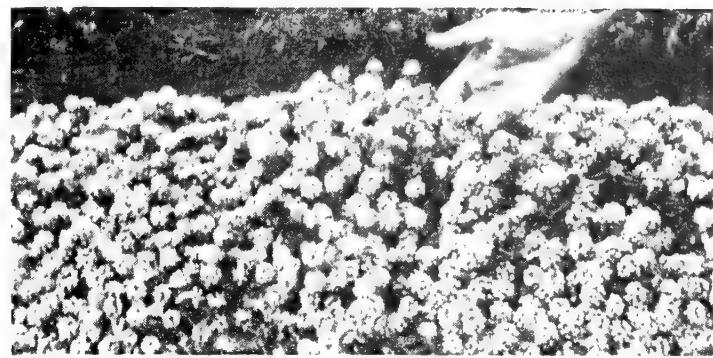
Scarlet **Rose** **White** **Mixture**

Prices above 4, each: Tr. pkt., **35c**; $\frac{1}{4}$ oz., **70c**; 1 oz., **\$2.10**.

Double Camellia-Flowered Mixed. 24 in. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

Bachelor Button. see *Centaurea Cyanus*, page 25.

Begonias, see page 21.



Alyssum are among our showiest bedding subjects.

BRACHYCOME

IBERIDIFOLIA (Swan River Daisy). 140,000 S. 6 to 8 in. plants bearing small single flowers.

Mixture of all colors in this class. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.50**.

BROWALLIA

Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., **35c**; $\frac{1}{16}$ oz., **\$1.00**; $\frac{1}{8}$ oz., **\$1.85**.

Speciosa Major. 1½ in. violet blue flowers are carried on 10 to 12 in. plants. The standard variety for pots. Tr. pkt., **\$1.00**.

CACALIA

Mixed (Tassel Flower). 56,000 S. Small, light scarlet and golden orange flowers on 30 in. stems. Free flowering and easily grown. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.70**.

CACTUS

All Sorts Mixed. An extra choice blend of unusual varieties collected from many sources. Requires a temperature of at least 65° for satisfactory results. 100 seeds, **30c**; 1000 seeds, **\$2.70**.

CALCEOLARIA

About 20,000 seeds per $\frac{1}{32}$ oz.

***Duplex Hybrids Mixed**. Upper pouch of each flower is almost as large as the lower, giving an attractive duplexed effect. Nice color mixture. $\frac{1}{2}$ Tr. pkt., **\$1.25**; Tr. pkt., **\$2.00**; 1/128 oz., **\$4.00**.

***Ball Multiflora Nana Mixture**. Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. Plants are wiry in growth with small durable leaves. Tr. pkt., **\$1.00**; 1/128 oz., **\$2.35**; $\frac{1}{64}$ oz., **\$4.35**; $\frac{1}{32}$ oz., **\$8.00**.

***Grandiflora Dwarf Mixed**. Extra large flowers in unusual colors are carried on compact plants. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Grandiflora Mixed. A tall growing strain of the above. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

***Dwarf Tigered or Spotted**. Various spotted shades of red, yellow and rosy bronze. Dwarf and compact; needs no staking. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

***Triumph Strain**. Medium large flowers; mostly bright reds and yellows. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Red Triumph. A separate color selection of Triumph, 90% true scarlet red. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., **\$1.00**; 1/128 oz., **\$2.35**.

Cloth of Gold. Medium large, freely produced golden yellow flowers. Very showy. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

MISCELLANEOUS ANNUALS—Continued

CALCEOLARIA, Continued

Flower Cloud. Small flowers in shades of yellow, orange and bronze. Tr. pkt., \$1.50; 1/128 oz., \$3.50.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., \$1.00.

Calendula, see page 19.

CALLIOPSIS

90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Produces large (2 1/2 to 3 in.) semi-double golden yellow flowers with reddish brown eyes. Tr. pkt., 15c; 1 oz., 60c.

Dwarf Mixture. 6 to 8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., 15c; 1 oz., 50c.

CAMPANULA

Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 85c.

Perennial Campanulas, see page 41.

CANDYTUFT

HYACINTH-FLOWERED. 9500 S.

***Giant White** (Ball Strain). This is our own unsurpassed strain that has been especially bred for greenhouse cut-flower use. Uniform in growth and large flowered. Tr. pkt., 20c; 1/2 oz., 45c; 1 oz., 80c; 4 oz., \$2.65; 1 lb., \$8.50.

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 85c.

UMBELLATA. A popular spring greenhouse cut flower. Sow in January; plant out 8x10 in. Is also widely used as a winter outdoor crop in Florida and southern Texas. Rose Cardinal is an exceptionally fine variety.

*Carmine
Crimson
Flesh-pink

*Lavender (Lilac)
*Rose Cardinal
White

Formula Mixture

Prices above 7, each: Tr. pkt., 15c; 1 oz., 50c; 4 oz., \$1.65.

Dwarf Hybrids Mixture. An attractive 3 to 4 in. miniature Umbellata. Very early. Tr. pkt., 15c; 1 oz., 60c.

Perennial Candytuft, see Iberis, page 44.

CARNATION

14,000 S. From an early sowing planted outdoors preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

Marguerite Double Mixture. 15-20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

CHABAUD'S GIANT IMPROVED STRAIN.

*Cardinal Red
(Sparkler)
Crimson
(Blood Red)
*Deep Rose
(Rose Queen)
Deep Salmon
(Aurora)

Flesh-Pink
(Reine Rose)
Salmon-Rose
*White
(Jeanne Dionis)
Yellow
(Marie Chabaud)

Formula Mixture of all colors.

Prices above 9, each: Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$3.25.

ENFANT DE NICE. A fine standard strain.

Red Salmon White Formula Mixture

Prices above 4, each: Tr. pkt., 50c; 1/8 oz., \$2.00.

Carnation Grenadin, see page 41.

Castor Bean, see Ricinus, page 36.

The new pure white *Centaura Polar Gem* makes an exceptionally attractive border plant.



CELOSIA

28,000 S. One of our most easily grown and showy annuals, but must not be planted out until weather is warm. Does well even in poor soils and hot climates.

PLUMOSA. Plumed or feathery type producing spire-like branches mostly from base of plant. The dwarf varieties are widely used for bedding and as spring and summer pot plants, while the taller strains make useful cut flowers in late summer.

***Dwarf Fiery Feather.** 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.

***Dwarf Golden Feather.** 15 in. Same as above but slightly taller and golden yellow.

***Dwarf Feather Mixture.** A formula mixture of the above two varieties; 2/3 Fiery Feather, 1/3 Golden Feather.

Prices above 3, each: Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.25; 1 oz., \$4.00.

***Scarlet Plume.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

***Golden Plume.** Tall, Same as above except a rich golden yellow. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

***Thompsoni Magnifica.** Ours is a fine even strain of this popular tall growing variety. Contains strikingly brilliant reds and yellows with some copper and gold shades. This makes an excellent cut flower. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

***Spicata.** 5 ft. Long slender silvery rose spikes. Useful as a cut-flower or for drying. Tr. pkt., 20c; 1/4 oz., 60c; 1 oz., \$1.80.

CRISTATA. The popular cockscomb type. The taller varieties provide good cut flowers in either the fresh or dried state, while the dwarf kinds make nice pot plants in summer.

Gilbert's Rose Beauty. Ruffled, ball-shaped heads, about 6 in. across, are of a pleasing rose-pink underlaid with silver. Stem length is about 3 ft. Originator's Tr. pkt., (300 seeds), 50c.

Gilbert's Maple Gold. Attractive combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Originator's Tr. pkt. (300 seeds), 50c.

Gilbert's Harlequin. Bushy, semi-dwarf plants, branching from base with many small to medium combs in varying Maple Gold shades. Originator's Tr. pkt. (500 seeds), 75c.

MISCELLANEOUS ANNUALS—Continued

CELOSIA, Continued

***Empress** (Dwarf). 12 in. Large crimson combs with deep reddish leaves.

Glasgow Prize (Pres. Thiers). 12 to 15 in. Deep crimson combs set in bright green leaves.

***Dwarf Cristata Mixture**. 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices above 3, each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.25.

***Royal Velvet**. An absolutely uniform strain of semi-tall "Cockscomb" Celosia. Crimson combs borne well above foliage on 24 to 30 in. stems. Tr. pkt., 25c; 1/4 oz., 90c; 1 oz., \$3.00.

***Tall Mixture**. 40 in. Mixture of all colors in the tall class. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 80c.

CHILDSII. Chinese Woolflower. An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson and **Mixture**

Prices above 2 each: Tr. pkt., 20c; 1/4 oz., 50c; 1 oz., \$1.75.

CENTAUREA

CYANUS (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering, re-selected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

***Blue Boy**. The standard market variety.

Black Boy. Rich deep maroon. **Red Boy**. Deep carmine rose.

***Pinkie**. Attractive rose pink. ***Snowman**. Fine clear white.

Formula Mixture of above varieties.

Prices above 6, each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.50; 1 lb., \$5.00.

***Early Single Blue**. Freely produces single Cornflowers of clear bright blue. Not quite as strong in growth as Blue Boy, listed above, but earlier. Tr. pkt., 30c; 1 oz., \$1.20. 4 oz., \$4.00.

Jubilee Gem. 12 to 15 in. Dwarf compact deep blue for bedding. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

***Polar Gem** (New). Pure white double flowers are borne on 10 in. plants of exceptional uniformity. Upright bushy habit is ideal for borders. This was outstanding in our trial grounds last summer. Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.50.

IMPERIALIS (Sweet Sultan). 7500 S. Thistle-like flowers; larger than the Cyanus type. Height 30 in.

Amaranth Red **Deep Lavender** **Brilliant Rose**
White **Formula Mixture**

Prices above 5, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

AMERICANA. 2400 S. Large (4 in.) flat, thistle-like flowers are produced in great profusion on 18 in. stems; plants grow 2-2 1/2 ft. tall. This makes an unusually satisfactory and attractive cut flower, lasting well in water. Every retailer should have an outdoor planting of this for cutting.

Lilac, the preferred color. **White**.
Mixture of above two colors.

Prices above 3, each: Tr. pkt., 15c; 1 oz., 60c; 4 oz., \$2.00; 1 lb., \$6.00.



Centaurea Americana—a valuable outdoor summer cut flower.

CENTAUREA, Continued

Suaveolens (Yellow Sweet Sultan). 6700 S. Bright yellow thistle-like flowers; similar to the Imperialis type, but earlier flowering and not quite as tall (20 in.). Forces well indoors. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 85c.

DUSTY MILLERS. The white-leaved kinds for border work. Cineraria Maritima Diamond also belongs in this group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 45c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Gymnocarpa. 7300 S. 24 in. Strong growing, fern-leaved. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c; 4 oz., \$2.50.

Centaurea Montana, see page 42.

Chinese Forget-Me-Not, see Cynoglossum, page 28.

CHRISTMAS CHERRY (Solanum)

12,000 S. Sow in February, summer plants outdoors; lift and pot in September for Christmas pot plants.

***Ball Christmas Cherry** (Hlavacek's Masterpiece). A uniform, bushy strain without the wild growth of the original Cherry varieties. Large, round red fruit is very freely produced.

Patterson Christmas Cherry. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller sized pot specimens.

Prices above 2, each: Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

CHRISTMAS PEPPER (Capsicum)

9,000 S. Sow April to June and carry along indoors for Christmas sales.

Ball Christmas Pepper. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Selected for absolute evenness and large brilliantly colored fruit. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS ANNUALS—Continued

CHRISTMAS PEPPER, Continued

***Craig's Christmas Pepper.** Similar to Ball Xmas Pepper, but the plants are smaller leaved and rather flattened across the top with somewhat smaller fruit very freely produced well above the foliage. Fruit is first a clear even white, later turning a brilliant red. This fine strain is widely grown by many eastern pot plant growers. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

CHRYSANTHEMUM (Annual)

9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12 x 12 in. Germination somewhat slow and irregular.

Burridgeanum (Carinatum). White with crimson zone and brown eye.

Eastern Star (Segetum). Pale lemon, golden zone with brown eye.

***Eldorado** (Segetum). Golden-yellow with brown eye.

***Northern Star** (Carinatum). White with yellow zone, brown eye.

Mixture of all colors.

Prices above 5, each: Tr. pkt., 15c; 1 oz., 60c.

Rainbow Mixture (Carinatum). An outstandingly complete and brilliant mixture of annual Chrysanthemums including many entirely new shades and color combinations. Tr. pkt. 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

***Yellowstone.** Single and semi-double golden yellow 2 in. flowers are freely produced on bushy plants about 20 in. tall. Makes a fine bedding show thruout most of the summer. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

Hardy Chrysanthemum, see page 42.

CINERARIA

An early January sowing, if kept growing right along, will make satisfactory 3 in. plants in late May for combination work, in our latitude. Sowings are made from June on for Christmas and later flowering.

Ball Copper-Scarlet. Compact small-leaved plants with medium sized, bright copper tinged, scarlet flowers. Uniform and attractive. Tr. pkt., \$1.50; $\frac{1}{4}$ oz., \$2.25.

***Berlin Market Mixed** (White Eyed or Weissensee Strain). 3,500 seeds per $\frac{1}{32}$ oz. A fine strain producing large rounded heads of medium large flowers on compact plants. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$1.75.

***Grandiflora Dwarf Mixed.** 3,500 seeds per $\frac{1}{32}$ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Pacific Giants Mixed. Produces extra large heads of flowers mostly in shades of blue and lavender. A strong grower for 6-7 in. pots or bedding. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Stellata Mixture (Star type). Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.

***No. 1 Mixture.** Consists of Cremer's Prize strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

CINERARIA, Continued

***Siter's Rainbow Strain.** 3,500 seeds per $\frac{1}{32}$ oz. An excellent market strain with immense heads of medium large mostly white eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{4}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Multiflora Nana, Gold Center.** 6,300 seeds per $\frac{1}{32}$ oz. Attractive medium small self-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

***Cremer's Prize Strain** (Reselected stock). 6,300 seeds per $\frac{1}{32}$ oz. Continues to be the standard florists' strain. About half light-eyed. Tr. pkt., \$1.50; $\frac{1}{4}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

DUSTY MILLER

***Maritima Diamond.** 10 in. Our finest Dusty Miller. Compact, even growth and very white foliage. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

CLARKIA

Elegans Double. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil disbudding to 2 or 3 spikes for long stemmed flowers. Dont feed and keep fairly dry after plants are about a foot high to prevent over-soft, lanky growth.

Albatross. The best white.

***Brilliant.** Bright deep rose. Good market color.

***Orange King.** Excellent fully double orange-scarlet.

***Salmon Queen.** Medium light salmon-pink.

Mixture of all colors in this class.

Prices above 5, each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

CLEOME

***Pink Queen** (Spider Plant). 12,000 S. A wonderfully attractive variety. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white. Makes a heavy hedge-like row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

COBAEA

Scandens. 375 S. A fine, strong growing, annual climber.

Purple. The most popular color. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

COLEUS

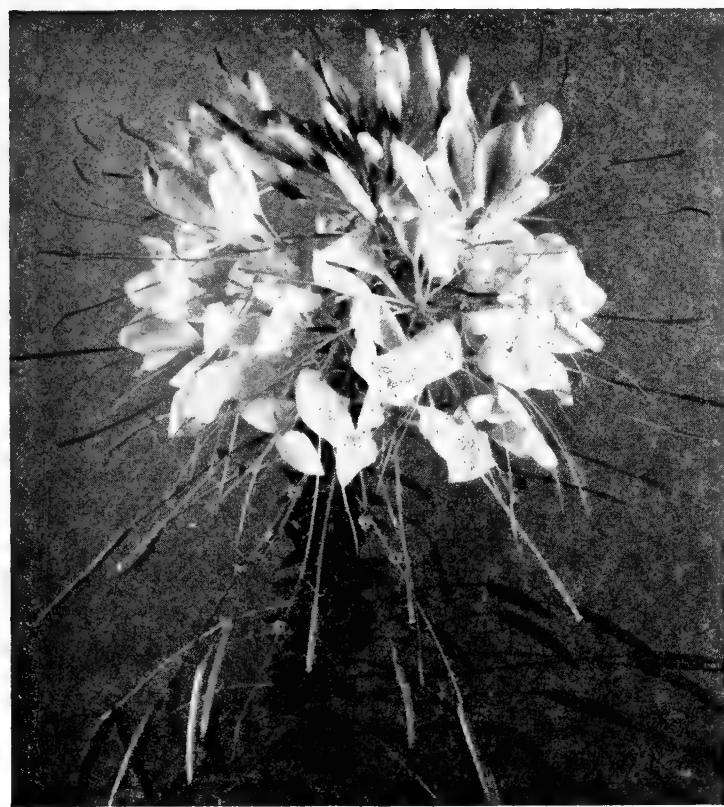
3,500 seeds per $\frac{1}{32}$ oz. Constant, yearly reselection of our own greenhouse grown Coleus strains have resulted in an unusually bright assortment of colors, with a minimum of dark, unattractive shades. Many use these strains instead of cuttings because they are more economically grown and are free from mealy bugs. Grow plenty for spring combinations.

***Rainbow Mixture.** We spared no cost in producing this strain of medium to large leaved Coleus. Years of patient breeding, together with almost daily roguing during the growing season, have developed a mixture that surpasses in brilliance and vigor that of any other we have seen anywhere. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.80; $\frac{1}{16}$ oz., \$3.25.

Hybrida No. 5. The medium sized leaves are a rich combination of deep mahogany red and bright carmine rose. And we find it comes around 80% true. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

***Giant Exhibition Mixture.** An extra large leaved strain with exceptional brilliance of coloring. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.25; $\frac{1}{16}$ oz., \$4.00.

MISCELLANEOUS ANNUALS—Continued



If you haven't grown Cleome Pink Queen, better try it.

COLEUS, Continued

Ball Copper Giant. Produces large leaves of a pleasing copper rose shade and comes about 75% true to type. Tr. pkt., \$1.00; $\frac{1}{2}$ oz., \$2.00.

Glory of Vichy. A popular strain predominating in the lighter, more golden shades. Tr. pkt., 60c; $\frac{1}{2}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.00; $\frac{1}{4}$ oz., \$7.00.

CORAL FLOWER

Small bright carmine flowers, freely produced on 24 to 30 in. stems. Grown principally for the small deep coral seed capsules that are really more attractive than the flowers. Tr. pkt., 30c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.40.

COSMOS

SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowered and extremely early, making it suitable for growing outdoors even in northern climates. Our strains as listed below are very true to color.

***Pinkie.** Clear rose pink.

***Purity.** Extra large flowered pure white.

***Mixture** of above and other shades.

Prices above 3, each: Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.15.

***Radiance** (All America Silver Medal 1948). This is a striking new color combination never before seen in Sensation Cosmos. Deep rose petals with large, rich crimson eye.

***Dazzler.** Bright crimson red. This is a marked improvement over strains previously offered.

Prices above 2, each: Tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.60.

COSMOS, Continued

EARLY SINGLE MAMMOTH FLOWERED. 5000 S. Ours are re-selected strains in the standard large flowered class.

Crimson Queen

Rose Queen

White Queen

Queen Mixture of above colors.

Prices above 4, each; Tr. pkt., 15c; 1 oz., 60c.

EXTRA EARLY DOUBLE CRESTED. 5000 S. Produces around 60% large crested flowers.

Mixture. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Mixture. Tr. pkt., 15c; 1 oz., 40c.

HYBRIDA KLONDYKE. 2800 S.

Orange Flare. Very early and free flowering, and a fine bright orange. Blooms same time as the Sensation type. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

***Orange Ruffles.** An attractive semi-double; the same bright orange as Orange Flare but even earlier flowering and slightly dwarfer. Blooms very profusely and is uniformly true to type. Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

***Yellow Flare.** A bright clear yellow. Similar to Orange Flare in its early and very free flowering habit, and vigorous growth. Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

CUPHEA

7000 S. Very attractive and easily grown plants for bedding use.

***Firefly.** Dense, compact plants reaching a height of 12 in. with freely produced small bright scarlet flowers. Also makes an attractive spring pot plant. Tr. pkt., 25c; $\frac{1}{8}$ oz., 70c; $\frac{1}{4}$ oz., \$1.25.

Avalon Hybrids. Vigorous and dense in growth; about 2 ft. tall. A fairly free flowering mixture of red, pink, lavender and purple shades. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75.

CYCLAMEN

All Cyclamen prices are net, no cash discounts, 250 of a variety at 1000 rate (except Vogt's). 10,000 to 25,000 seeds, any assortment of varieties, less 5%; over 25,000 seeds, less 10%.

BAARDSE'S IMPORTED STRAIN. We are exclusive distributors in the United States for the famous Baardse Cyclamen seed, generally conceded to be the leading European strain.

	100 Seeds	1000 Seeds
No. 1B Dark Blood-Red	\$1.75	\$16.00
No. 2B Bright Red	1.75	16.00
No. 3B Pure Rose (Rose of Aalsmeer)	1.75	16.00
No. 4B Soft Rose with carmine eye. (Improved Rose of Marienthal)	1.75	16.00
No. 5B White with carmine eye.....	1.75	16.00
No. 6B Pure White	1.75	16.00
No. 7B Bonfire. Brilliant salmon.....	2.25	20.00
No. 8B Salmon-Scarlet (America Imp.)	2.30	21.00
No. 10B Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	2.20	18.00
No. 11B Rose of Zehlendorf. Light salmon....	2.20	18.00
No. 15B Dirk Baardse. Soft wine red.....	4.00	36.00
No. 16B Saffron Red-Silver Edged	2.25	20.00
No. 19B Lavender	1.75	16.00
No. 22B BAARDSE WONDER. Salmon with white border.....	2.25	20.00
No. 24B Roseum Oculatum. Light pink, salmon eye	2.20	18.00

MISCELLANEOUS ANNUALS—Continued

CYCLAMEN, Continued

	100 Seeds	1000 Seeds
No. 25B Sylphide (New). Light mauve.....	\$2.20	\$18.00
No. 26B Victoria . Fringed white, tipped red....	2.25	20.00
No. 30B Mixture of above colors.....	1.65	15.00
No. 50B Ruffled Lavender	2.30	21.00
No. 51B Ruffled Salmon	2.30	21.00
No. 52B Ruffled White	2.30	21.00
No. 53B Ruffled Dark Red	2.30	21.00
No. 60B Mixture of ruffled types.....	2.30	21.00

BURGHARD'S COLORADO STRAIN. The following varieties are grown for us in Colorado by E. W. Burghard, Cyclamen specialist, where dry air and cool temperature are ideal for properly maturing this seed.

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red	\$1.75	\$16.00
No. 2 Bright Red	1.75	16.00
No. 3 Pure Rose	1.75	16.00
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal)	1.75	16.00
No. 5 White with carmine eye.	1.75	16.00
No. 6 Pure White	1.75	16.00
No. 7 Bonfire . Brilliant salmon	2.25	20.00
No. 8 Salmon-Scarlet (America Imp.)	2.30	21.00
No. 9 New Salmon-Rose Imp.	2.25	20.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	2.20	18.00
No. 11 Rose of Zehlendorf . Light salmon.....	2.20	18.00
No. 12 Orange Beauty . Orange-vermillion.....	2.30	21.00
No. 14 Morning Red	2.20	18.00
No. 16 Saffron Red-Silver Edged	2.25	20.00
No. 17 Striped Varieties Mixed	2.20	18.00
No. 18 Mozart . Deep pink	2.30	21.00
No. 19 Lavender	1.75	16.00
No. 21 Pink Pearl . Salmon-pink	2.30	21.00
No. 22 Baardse Wonder . Salmon with white border.....	2.25	20.00
No. 30 Mixture of above colors.....	1.65	15.00
No. 50 Ruffled Lavender	2.30	21.00
No. 51 Ruffled Salmon	2.30	21.00
No. 52 Ruffled White	2.30	21.00
No. 53 Ruffled Dark Red	2.30	21.00
No. 60 Mixture of ruffled types	2.30	21.00

VOGT'S DOUBLE-FLOWERED STRAIN

Admiration. Salmon rose with shaded eye.

Prices above 2, each: 100 seeds, **\$3.50**; 250 seeds, **\$7.00**;
500 seeds, **\$13.00**; 1000 seeds, **\$25.00**.

Mixture

CYNOGLOSSUM

AMABILE. Chinese Forget-me-not. 5000 S.

***Firmament**. Fine bushy, compact plants with freely produced small flowers of the most intense clear blue. An excellent bedding plant that stands hot, dry weather well. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

***Blue Bird**. An improved upright growing type; rich bright blue. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

Pink. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 80c.

CYPERUS

Alternifolius (Umbrella Plant). 200,000 S. Tr. pkt., **35c**;
1/4 oz., 80c; 1 oz., \$2.40.

Nothing
showier
for pots
or bedding
than
Unwin's
Dwarf
Hybrid
Dahlias.



DAHLIA

2800 S. Because of the wide variation in colors and types, seedling Dahlias are interesting to grow and tubers may be saved from the choicest specimens. The dwarf types are especially nice for outdoor bedding while the Unwin strain also makes a fine pot plant. All flower the first season from an early sowing.

***Unwin's Dwarf Hybrids**. Our strain of this popular variety is especially re-selected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce saleable 3 to 4 in. flowering pot plants in May. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.50; 4 oz., \$7.50.

Giant Flowered Mixed. The originator describes this as a choice tall mixture producing 50% giant double flowers of the very best types and colorings. Outstanding individuals may be propagated thru tubers. Tr. pkt., 50c; 1/8 oz., \$1.65; 1/4 oz., \$3.00; 1 oz., \$9.00.

COLTNES STRAIN. Dwarf and free flowering single.
Mixture of all colors. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

DAISY

Dahlberg Daisy. An unusually attractive, compact edging plant with airy lace-like leaves. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

Tahoka Daisy. Single daisy-like flowers of lavender-blue with deep yellow center are carried on medium length stems. Lacy fern-like foliage. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.10.

Blue Daisy, see Agathea, page 22.

English Daisy, see Bellis, page 41.

Painted Daisy, see Pyrethrum, page 45.

Perennial Daisies, see page 42.

MISCELLANEOUS ANNUALS—Continued

DATURA

Wrighti (Angel's Trumpet). 3 ft. Large trumpet-like flowers open soft lavender rose, gradually turning white. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.80.

Delphinium, see page 11.

DIANTHUS

25,000 S. Wonderfully showy and free flowering bedding plants.

Annual Sweet William (D. barbatosinensis). 12 in. Single mixed. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

***Sweet Wivelsfield Single Mixed**. 12 in. Probably the most popular of the annual Dianthus. Free flowering and brilliantly colored. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Sweet Wivelsfield Double Mixed. Some as above but most flowers either semi or double. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

Westwood Beauty (D. Heddensis). This Dianthus, the result of a cross between D. Hedgewigii and D. Chinensis, produces large 2 in. single flowers in shades of red on long stems. Somewhat more resistant to heat than ordinary Dianthus. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

HEDDEWIGII (Double Pinks). 10 in. Fine for rock garden and border work.

***Gaiety**. Large showy fringed flowers. Colors range from pure white to crimson and are attractively zoned. Tr. pkt., 35c; 1/4 oz., 70c; 1 oz., \$2.35.

***Fireball**. Deep scarlet.

***Snowdrift**. Extra large flowered pure white.

Imperator Mixture of all colors in this double class.

Laciniatus Splendens. Single. Brilliant crimson; white eye.

Prices above 4 each: Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

Hardy Dianthus, see page 42.

DIDISCUS

Coeruleus (Blue Lace Flower). 10,000 S. Freely produces small (1 1/2 to 2 in.) heads of light bluish lavender flowers. Useful for spring forcing or outdoors in cool climates. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

DIMORPHOTHECA

9500 S.

Aurantiaca Hybrids Mixed. 6 to 10 in. 2 in. single daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

Salmon Beauty. Soft salmon pink. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

***Glistening White**. Large, pure white daisy-like flowers with black eye, edged violet. Spreading plants 10-12 in. tall. Good for rock gardens, edging and cutting. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

DRACAENA

Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., 15c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.00.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

Dusty Miller, see Cineraria page 26 and Centaurea, page 25.

ECHIUM

Blue Bedder. 6500 S. 14 in. Very early blooming annual producing 1/2 in. bell-shaped blue flowers thruout the summer until frost. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.



Exacum Affine makes a very attractive and fragrant pot plant.

ESCHOLTZIA

15,000 S.

Aurantiaca. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 15c; 1 oz., 50c.

Red Chief. Spreading plants with large, mahogany red, single flowers.

Formula Mixture. Single flowers ranging from lightest yellow to dark red. Growth is compact and erect.

Prices above 2, each: Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

Bush Escholtzia, see Hunnemannia, page 31.

EUPHORBIA

Variegata. 2500 S. The popular Snow-on-the-Mountain. Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.00.

Heterophylla (Annual Poinsettia or Mexican Fire Plant). 5000 S. 36 in. Makes small Poinsettia-like formations at tips of branches. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Hardy Euphorbias, see page 43.

EXACUM

Affine. An easily grown, neat and attractive pot plant with richly fragrant violet blue flowers. We have a good supply ready now. Tr. pkt., \$1.00; 1/128 oz., \$3.00; 1/64 oz., \$5.50.

MISCELLANEOUS ANNUALS—Continued



The dwarf Gomphrena Buddy is as valuable for combinations as it is for bedding.

FELICIA

Bergeriana (King Fisher Daisy). 150,000 S. The dwarf blue daisy for pot plants. 6 in. Germination sometimes slow and irregular. Tr. pkt., 35c; 1/4 oz., \$1.00.

Forget-Me-Nots, see Myosotis pages 44 and 33

FREESIA

1000 S. Seed sown in May will produce bulbs by September which will bloom the following January with good flowers and stems.

Refracta Alba. Pure white. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.00.

Refracta Buttercup. Yellow. Tr. pkt., 50c; 1/4 oz., \$2.00; 1 oz., \$6.00.

Rainbow Hybrids. Attractive mixture including blues, yellows and reds. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

FUCHSIA

Special Mixture. A choice mixture of single and double types saved from one of the finest collections in the country. Fancy specimens may be cutting propagated. 250 seeds, \$3.00; 500 seeds, \$5.00; 1000 seeds, \$9.00.

GAILLARDIA

PICTA. 14,000 S. Annual Gaillardia. Fine free flowering, brightly colored material for beds or borders.

Indian Chief. 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades.

Prices above 2, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Sunshine Double Mixed. Fully double flowers about 2 1/2 in. across are carried on strong stems 16 to 18 in. long. Attractive shades of wine red, yellow and bicolor red and yellow. Retail growers will find this a valuable and easily grown source of summer cut flowers. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

Perennial Gaillardia, see page 43

GAZANIA

Splendens Grandiflora Mixed. Large flowers in many attractive shades. The vigorous plants are constantly in bloom. Stands hot, dry weather well. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

GERANIUM

Zonale. A mixture of single types in shades of white, pink, salmon and red. Easily grown from seed. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.50.

GERBERA (Transvaal Daisy)

Jamesoni Hybrids. A long lasting and valuable greenhouse forcing crop. All colors are represented in this choice mixture of large single daisy-like flowers. 100 seeds, 50c; 1000 seeds, \$4.00.

Duplex Hybrids. This splendid new strain produces large 5 inch flowers with twice as many petals as the ordinary single type. All colors, except blue, are represented with flowers being carried on strong stems up to 3 ft. in length. 100 seeds, 60c; 1000 seeds, \$5.00; 5000 seeds, \$22.50.

GLOXINIA

25,000 seeds per 1/2 oz. Sow in January for blooming plants in 4 inch pots during June and July. All Gloxinia seed is very fine and must be handled carefully.

Panzer Strain. This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers. Tr. pkt., \$1.00; 6 pkts., \$5.00.

Formula Mixture. Made up of choice named separate color varieties. Do not confuse this with cheap seed mixtures grown as such. Tr. pkt., \$1.00; 6 pkts., \$5.00.

GODETIA

45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like Clarkia.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

***Duke of York**. Bright carmine and white.

***Kelvedon Glory**. Rich apricot.

***Purity**. A clear white.

Mixed.

Prices above 4, each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

TALL DOUBLE GRANDIFLORA.

Mixture of colors in the Tall Double class. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 85c.

DWARF DOUBLE AZALEA FLOWERED.

Sybil Sherwood. 18 in. Bright salmon-pink, edged white. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

GOMPHRENA (Globe Amaranth)

5500 S. An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

GLOBOSA. Round, ball shaped flowers.

Rubra. 30 in. Magenta purple. A bright deep shade.

Mixture of colors.

Prices above 2, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

***Buddy**. Fairly dwarf plants with small ball-shaped flowers of bright reddish purple. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., 30c; 1/4 oz., 65c; 1 oz., \$2.00.

MISCELLANEOUS ANNUALS—Continued

GOURLS, ORNAMENTAL

SMALL VARIETIES. 450 S. All are easily grown and, when properly dried and varnished, last indefinitely.

***La Montagne Strain.** The finest selected strain of mixed Gourds we have tried. We handle originator's seed. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

Spoon. More or less spoon-shaped. Orange and white striped.

Warted Types Mixed. Not over 4 in. in diameter.

Prices above 2, each: Tr. pkt., 15c; 1 oz., 50c.

GRASSES, ORNAMENTAL

Briza Maxima (Quaking Grass). Graceful panicles which tremble in the slightest breeze. 18 in. Tr. pkt., 25c; 1 oz., \$1.00.

Coix Lachrymae (Job's Tears). 3 to 4 ft. tall with hard, shiny beads up to 1 inch in diameter. Tr. pkt., 15c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.00.

Pennisetum Rueppelianum (Fountain Grass). 3 to 4 ft. tall with long, graceful purple sprays. Tr. pkt., 30c; 1/4 oz., 90c; 1 oz., \$2.70.

Lawn Grass, see page 51.

GREVILLEA

Robusto (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in a temperature of 60° will make nice 5 in. pot specimens by fall. Because it holds its foliage well, is being used with Poinsettias instead of Asparagus. Tr. pkt., 20c; 1/4 oz., 60c; 1 oz., \$1.80.

GYPSOPHILA

ELEGANS (Baby's Breath). 24,000 S. Easily flowered in flats in the greenhouse or may be grown outdoors; requires about 3 months to bloom from sowing. Although the larger flowered varieties are attractive and fine, the smaller ones outlast them for bouquet work.

***Covent Garden Market.** A very excellent strain with large and full-petaled flowers, about 75% of which have 6 to 8 petals. 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.25; 5 lb., \$8.50.

New York Market. Similar to Covent Garden Market; uniform habit of growth. 1 oz., 35c; 4 oz., 90c; 1 lb., \$2.75; 5 lb., \$11.00.

***Paris Market.** Smaller flowered than Covent Market. Holds up well. 1 oz., 25c; 4 oz., 70c; 1 lb., \$2.00; 5 lb., \$8.00.

Carminea. Small, 1/4 in. pink flowers. Tr. pkt., 15c; 1 oz., \$1.20; 4 oz., \$4.00.

Crimson. Slightly darker than above. Tr. pkt., 15c; 1 oz., \$1.20; 4 oz., \$4.00.

Hardy Gypsophila, see page 43.

HELIANTHUS (Sunflower)

***Sungold.** 650 S. Of uniform medium height (4 to 5 ft.) with practically 100% fully double, golden yellow Chrysanthemum-like flowers about 4 in. across. Sow outdoors in May for August blooming. Retail growers will find this a valuable summer cut flower. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c; 4 oz., \$2.50; 1 lb., \$7.50.

HELICHRYSUM

MONSTROSUM. 36,000 S. The most popular double straw-flower. Widely used for drying.

Canary-Yellow
Golden Globe
Formula Mixture

Violet Queen
Rose Queen

Fireball (Scarlet)
Silver Ball (White)

Prices above 7, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.



Impatiens are among our most attractive and easily grown pot plants; fine for bedding, too, in semi-shade. Pictured here is the dwarf type.

HELIOTROPE

50,000 S.

***Dwarf Regale Mixture.** 15 in. A fine, even strain with extra large, lavender violet flower heads. Richly fragrant. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$3.25.

Lemoine's Giant Mixture. 24 to 30 in. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

HOLLYHOCK (Annual)

Indian Spring. 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

HUNNEMANNIA

FUMARIAEFOLIA (Bush Escholtzia). 8000 S.

***Sunlite.** Brilliant canary-yellow, semi-double. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.65.

Single Yellow. Tr. pkt., 15c; 1 oz., 60c.

Hardy Iberis, see page 44.

IMPATIENS

One of our most valuable plants for bedding under shady conditions; also widely used for winter and spring pot plants.

Sultani Dwarf Bright Carmine. Compact and very free flowering.

Sultani Dwarf Mixture. Bright mixture of colors in this dwarf class.

Prices above 2, each: Tr. pkt., \$1.00; 1/2 oz., \$1.80; 1/8 oz., \$3.25.

Sultani Hybrids Mixed. Ours is a choice imported strain

Holsti Vermilion. Deep scarlet.

Holsti Hybrids Mixed. Blend of taller growing sorts

Prices above 3, each: Tr. pkt., 50c; 1/8 oz., \$1.00; 1/16 oz., \$1.80.

MISCELLANEOUS ANNUALS—Continued



Kalanchoe Brilliant Star really stands out as a pot plant, and its stems are long enough for cutting, too.

IPOMOEA

(Moonflower or Morning Glory)

These vines are easily grown and most varieties are profuse bloomers if grown in soil of low fertility and not over-watered.

Blue Star (New). 650 S. A vigorous grower, similar in form and habit to Heavenly Blue. Large flowers are of clear, light blue with 5 mid-blue stripes radiating from near throat to petal tips. An unusual novelty color. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.25.

Crimson Rambler. Freely produced flowers are a bright crimson red with white throat. A vigorous grower, but flowers are somewhat smaller than the following 2 varieties. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Pearly Gates. A fine clear white Morning Glory with slight cream shading in throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., 35c; 1/4 oz., 45c; 1 oz., \$1.40; 4 oz., \$5.00.

Heavenly Blue. 650 S. Clark's Mammoth Early Free Flowering Strain. The popular bright blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3 or 4 in. pots from a sowing made 8 to 10 weeks previously. Tr. pkt., 20c; 1 oz., 65c; 4 oz., \$2.00.

Cornell. A large flowered bright Carnelian red with white edge. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

Scarlett O'Hara. 650 S. Brilliant carmine-red variety. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.00.

IPOMOEA, Continued

Rose Marie. 1100 S. Semi-double deep rose. Quite free and early flowering. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 80c.

NOCTIFLORA. 110 S. Large flowered white moonflower.

Black-Seeded

Prices above 2, each: Tr. pkt., 15c; 1 oz., 40c; 4 oz., \$1.35; 1 lb., \$4.00.

White-Seeded

KALANCHOE

This genus includes many species of which the following 3 are among the best known. No plant surpasses them for brilliance of scarlet red color, and all may be flowered for Christmas from a January sowing, if shaded for about 6 weeks starting late August.

Tom Thumb. A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. A Jan. or Feb. sowing will provide fine 4 in. specimens for next winter's sales. Tr. pkt., \$1.25; 1/4 oz., \$5.00; 1/2 oz., \$9.00.

Globulifera Coccinea. The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., 60c; 1/4 oz., \$1.60.

***Brilliant Star.** This new hybrid Kalanchoe makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 12 inches long which are suitable for cutting, especially if benched. Tr. pkt., \$1.50; 1/128 oz., \$3.50; 1/4 oz., \$6.50.

KOCHIA (Summer Cypress)

Childsii. 45,000 S. 24 in. Stays a clean fresh green throughout the entire season. Very attractive dense bushes. Tr. pkt., 10c; 1 oz., 25c.

LANTANA

1300 S. Very showy. One of the most satisfactory bedding subjects for areas where summer temperatures are excessive. Must be sown early and with bottom heat.

Dwarf Hybrids Mixed. 12 in. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Tall Hybrids Mixed. 30 in. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Larkspur, see page 10.

LAVATERA

Splendens, Loveliness. 45,000 S. Very attractive early flowering annual, with 2 in. Hollyhock-like single flowers of a deep salmon rose shade. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

LEPTOSYNE

Stillmanii. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

LINARIA

MAROCANNA (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors. Tr. pkt., 20c; 1/4 oz., 45c; 1 oz., \$1.50.

LINUM

Rubrum (Scarlet Flax). 2 ft. Flowers of bright red about 1 in. across. Tr. pkt., 15c; 1 oz., 50c; 4 oz., \$1.35; 1 lb., \$5.00.

MISCELLANEOUS ANNUALS—Continued



Mesembryanthemum Criniflorum
responds well to full sun and liberal watering.

LOBELIA

700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelias are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

COMPACTA. 6 in. Of dwarf compact habit.

***Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

***Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

***Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage.

White Lady. Clear glistening white.

Prices above 5, each: Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

Mixture of all colors in the compacta class. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

PENDULA. Of trailing or pendulous habit.

***Hamburgia.** Deep blue with dark green foliage. Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50.

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., 35c; 1/4 oz., \$1.00.

Perennial Lobelia, see page 44.

LUPINE

A good spring crop of the annual type can be flowered in 3 in. pots from a Jan. sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING. 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegii.

***Oxford Blue.** Standard rich deep blue. **Sky Blue**

Heliotrope. A pleasing rosy purple shade. **White**

Mixture of above colors.

Prices above 5, each: Tr. pkt., 20c; 1 oz., 80c; 4 oz., \$2.65; 1 lb., \$8.00.

HARTWEGII. 1400 S. The standard cut flower strain.

Dark Blue **Roseus** **Sky Blue** **White** **Mixture**

Prices above 5, each: Tr. pkt., 15c; 1 oz., 75c; 4 oz., \$2.25.

Perennial Lupine Polyphyllus, see page 44.

Marigolds, see pages 14 and 15.

MARVEL OF PERU (Mirabilis Jalapa)

Dwarf Mixture. 325 S. A uniformly dwarf (18 to 20 in.) strain of old fashioned "Four O'Clocks," well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., 15c; 1 oz., 40c.

Lobelias fill the need for that bright blue so much called for in bedding plants.

MESEMBRYANTHEMUM

Criniflorum (Livingstone Daisy). Spreading plants literally covered with 1 in. flowers in many attractive colors. Needs full sun and plenty of water. Tr. pkt., 40c; 1/4 oz., \$1.20; 1 oz., \$3.60.

MIGNONETTE

27,000 S. May be sown in January for spring cutting; delightfully fragrant.

***Ball Strain.** Considerably whiter and 2 to 3 weeks earlier than New York Market. 1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/4 oz., \$1.75.

MACHET. For summer bedding.

Golden Goliath.

Goliath Red

Prices above 2, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

MIMOSA

Pudica (Sensitive Plant). 4500 S. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

MYOSOTIS (Forget-Me-Not)

***Ball Early.** 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as Jan. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

Hardy Myosotis, see page 44.

NASTURTIUM

No retail grower should be without at least a small greenhouse planting of Double Nasturtiums. Their richly colored, long stemmed, fragrant flowers are valuable for cutting, and the dwarf type is well suited for combinations or window boxes.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

***Golden Gleam.** The original Gleam Nasturtium; golden yellow.

***Scarlet Gleam.** Same as above but a brilliant scarlet.

***Gleam Hybrids.** A brilliant mixture of all double varieties.

Prices above 3, each: 1 oz., 25c; 4 oz., 70c; 1 lb., \$2.40.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15 in. high.

***Golden Globe.** Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices above 3, each: 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.75.

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices above 2, each: 1 oz., 20c; 4 oz., 65c; 1 lb., \$2.25.

NEMESIA (Strumosa Suttoni)

GRANDIFLORA. 90,000 S. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in.

Triumph Mixed. A very attractive mixture with a wide range of colors. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

MISCELLANEOUS ANNUALS—Continued



This is just one plant of *Nana Compacta Phlox* in our trials. A bed of Phlox will rival even Petunias for brilliant display.

NICOTIANA (Flowering Tobacco)

275,000 S. Sweet scented and showy.

**Suaveolens* (Orange Blossom). 18 in. A dwarf and compact small flowered white. Tr. pkt., 25c; $\frac{1}{16}$ oz., 85c.

AFFINIS

**Crimson Bedder*. 15 in. Compact in growth and very free flowering. Deep crimson red. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; 1 oz., 60c.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 15c; 1 oz., 60c.

NIEREMBERGIA

**Purple Robe*. 5500 seeds per $\frac{1}{2}$ oz. A really first class bedding or edging plant. The 1 in. rich, bluish-lilac flowers are lavishly produced on dwarf plants thruout the summer. Retains its brilliance without fading under strong sunlight. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.65; $\frac{1}{16}$ oz., \$3.00.

NIGELLA

Miss Jekyll (Love-in-a-mist). 11,000 S. Cornflower-blue. Tr. pkt., 25c; 1 oz., \$1.00.

Mixture. Blue and white. Tr. pkt., 15c; 1 oz., 60c.

OXYPETALUM

Caeruleum (Southern Star). Grows about 8 in. tall with fuzzy grayish green leaves and 1 in. star shaped flowers of contrasting clear azure blue. Tr. pkt., 25c; $\frac{1}{8}$ oz., 85c; $\frac{1}{4}$ oz., \$1.50.

PANSIES

25,000 S. A January sowing of both Pansies and Violas will make nice flowering plants to sell out of flats or in made-up pans in late spring and early summer.

**Ball Giant Mixture Dwarf Strain*. A fine Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$8.00; 4 oz., \$30.00.

PANSIES, Continued

**Ball Giant Mixture*. This is our finest and most popular bedding Pansy mixture. We blend this ourselves using the best available strains of Swiss Giants, adding separate varieties to insure a good balance of colors. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$8.00; 4 oz., \$30.00.

Maple Leaf Giants. An excellent, extra large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; 1 oz., \$9.00.

**Canadian Giants*. This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., 90c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

**Englemann's Giant Mixture*. A large flowered and brightly colored strain, many being penciled or veined. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$12.00.

Roggli Giant Mixture. A choice Swiss bedding strain, predominating in rich red and bronze shades. We supply only the originator's imported seed. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$3.00; $\frac{1}{4}$ oz., \$5.00; 1 oz., \$18.00.

America. An exceptionally free flowering mixture with medium sized blooms. Dwarf and extra early. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$9.00.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$2.75; 1 oz., \$9.00.

Dwarf Geneva Giants. A dwarf selection of the above. Tr. pkt., 60c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$8.00.

Steele's Jumbo Mixture. We handle the originator's seed of this popular American strain. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$3.00; $\frac{1}{4}$ oz., \$5.00; 1 oz., \$16.00.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$8.00.

**Butterfly Hybrids*. Ruffled 2½ to 3 in. flowers, including unusual apricot, terra cotta and rosy orchid shades, are freely produced on vigorous plants of medium height. Tr. pkt., \$1.00; $\frac{1}{16}$ oz., \$3.25; $\frac{1}{8}$ oz., \$5.75; $\frac{1}{4}$ oz., \$10.00; $\frac{1}{2}$ oz., \$18.00; 1 oz., \$35.00.

**Ball Winter Flowering*. A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.75.

SWISS GIANTS IN SEPARATE COLORS

Firebeacon. Brick red.

Coronation Gold. The finest clear yellow.

**Lake of Thun*. Large flowered blue with darker center.

Alpenglow. Rich garnet red.

Rhinegold. Large flowered yellow with dark center.

Berna. Dark velvety blue.

Mt. Blanc. Best clear white in the large-flowered Swiss type.

Prices above 7, each: Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Giant Orange. A rich light orange; similar in color to *Viola Apricot*. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$5.50; $\frac{1}{4}$ oz., \$10.00.

**Raspberry Rose*. Soft pink with contrasting velvety blotch in deeper tone. An entirely new color in Swiss Giant Pansies. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.25; $\frac{1}{4}$ oz., \$4.00; 1 oz., \$12.00.

MISCELLANEOUS ANNUALS—Continued

PENTSTEMON (Beard Tongue)

Sensation Mixture. 55,000 S. 2 ft. Attractive bell-shaped flowers produced on good spikes in an exceptional range of colors. Much used for bedding or in borders. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.

Petunias, see pages 2 to 7.

PHLOX DRUMMONDI

14,000 S. Annual Phlox are among our most showy bedding items and are more popular today than at any time in their past. Because they don't transplant well, seed should be sown direct in small pots or plant bands, or drilled outside.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

***Chamois Rose.** Soft pastel chamois with white center.

Coccinea. Fiery red.

Isabellina. Creamy yellow.

***Rosea.** Medium rose pink with dark center.

Violet. Try this with white or yellow.

***White.** A clear, even white.

Prices above 6, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., 80c; 1 oz., \$2.40.

Special Mixture of all colors in this tall class. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

Cuspidata Mixture (Star of Quedlinburg). A mixture of star shaped flowers. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

GRANDIFLORA GIGANTEA. Somewhat stronger in growth and larger flowered than the above.

***Red Glory.** A bright red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose pink with large white eye.

Salmon Glory. Rich soft salmon-rose with white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Prices above 4, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

***Fireball.** A real fiery crimson.

Sky Blue. Clear soft blue with white eye.

***Snowball.** Good clear white.

Violet. An attractive, rich color.

Prices above 4, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.

Mixture of all colors in this dwarf class. Tr. pkt., 30c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.80.

***Cecily Mixed.** A very popular semi-dwarf mixture. Tr. pkt., 30c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.80.

Pinks, see Dianthus, page 29.

POPPY

ICELAND (P. Nudicaule). 250,000 S. The standard type for spring greenhouse forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Good flower size and long stiff stems. Tr. pkt., 25c; $\frac{1}{4}$ oz., 85c; 1 oz., \$2.50.

***Sanford's Giants.** A fine standard Hybrid strain. Brilliant color mixture. Tr. pkt., 25c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.

SHIRLEY (P. Rhoeas). 70,000 S.

Sweet Briar. Deep rose pink; fully double. Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

Formula Mixture of all colors in the single Shirley class. Tr. pkt., 15c; 1 oz., 50c.

Oriental Poppies, see page 45.



G. J. B. looks over a fine lot of *Primula Obconica Fasbender's Red* in our West Chicago greenhouses. See page 36.

PORTULACA

280,000 S. Very excellent, easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., 20c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.

***Double Mixture.** Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., 30c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.50.

Single Jewel. Extra large flowers of glowing crimson rose. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.80.

PRIMULA MALACOIDES

12,000 seeds per $\frac{1}{32}$ oz. Seed may be sown from May until October for spring blooming in various sizes. Malacoides are easily grown after they get started, but **they will not tolerate fertilized soil in the seed flat or early stages of growth.** We offer seed of our own growing only, as Mr. Eriksson has discontinued seed production.

No. 32 Glory of Riverside Imp. An excellent variety with beautiful salmon-rose flowers.

No. 33 New Giant. Large flowered, late salmon-rose.

No. 41 White Giant. Pure white; large flowers and heavy stems.

No. 43 Brilliance Imp. Flowers open lavender—turn to dark velvety red.

No. 51 Mrs. Eriksson of Riverside. Large flowers of deep rose red on compact plants of medium height.

No. 62 Ball Lavender. Bright orchid lavender. An improved Rosea Superba.

No. 50 Mixture. Our own balanced formula mixture.

Prices above 7, each: Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

MISCELLANEOUS ANNUALS—Continued



Our strain of *Salvia St. John's Fire* is unsurpassed for uniform, dwarf habit and rich display of early scarlet flowers.

PRIMULA OBCONICA

4000 seeds per $\frac{1}{2}$ oz. This brightly colored class excels all other Primulas in large flower size. Sow from January on for Christmas and later.

***Fasbender's Red.** An outstandingly fine extra large flowered deep crimson red.

Mohnstein's Atrosanguinea. Popular deep red.

***Mueller's Berlin Rose** (*Mueller's Rosea*). Soft medium rose. Heavy compact plants and large flowers.

Lachsrosa. Salmon rose shades.

***Coerulea.** Clear mid-blue. A choice strain.

White. Rather tall growth.

***Formula Mixture.** Carefully blended from above colors.

Prices above 7, each: Tr. pkt., \$1.25; $\frac{1}{4}$ oz., \$2.25; $\frac{1}{2}$ oz., \$4.25.

Wyaston Wonder. A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., \$1.25; $\frac{1}{4}$ oz., \$3.00; $\frac{1}{2}$ oz., \$5.50.

PRIMULA CHINENSIS (Chinese Primula)

A popular class with many retail growers. Very colorful and showy.

Dazzler. Standard orange. Tr. pkt., \$1.50; $\frac{1}{2}$ oz., \$5.60.

***Kardinal.** Vivid, intense orange. Improves Dazzler in depth and brilliance. Tr. pkts. only, \$1.50.

Special Mixture. A choice assortment of colors. Tr. pkt., \$1.00; $\frac{1}{2}$ oz., \$3.60.

Hardy Primulas, see page 45.

QUEEN ANNE'S LACE FLOWER

36,000 S. 24 in. Large heads of white flowers in umbels, similar to *Didiscus*. Nice filler for basket work. Tr. pkt., 20c; $\frac{1}{4}$ oz., 30c; 1 oz., \$1.00.

RANUNCULUS

Giant Hybrids Mixed. Double flowers in shades of yellow, orange and red. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$5.25.

RICINUS (Castor Bean)

Very fast growing, tall, large leaved plants. Good for tall hedges and windbreaks.

Crimson Spire. 75 S. 8 ft. Bronzy red foliage with crimson stems and red fruit. 1 oz., 40c; 4 oz., \$1.40; 1 lb., \$4.20.

Zanzibariensis Mixed. 25 S. 10 ft. Foliage all green. 1 oz., 20c; 4 oz., 60c; 1 lb., \$2.00.

RUDBECKIA

85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

***Starlight.** The only Rudbeckia strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., 30c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.00.

SAINTPAULIA

Ionantha (African Violet). Deep blue. Extra fine seed that requires care in germinating. Uniform moisture, a 60° temperature and protection from bright sun are necessary in growing good Saintpaulias. Tr. pkt., \$1.50.

SALPIGLOSSIS

125,000 S. Salpiglossis furnishes the retail grower with good cutting material either from a Jan.-Feb. sowing indoors or a later one grown outdoors.

EMPEROR. 30 in. The tall kind for cutting.

***Mixture** of all colors. Tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., 90c.

DWARF GIANT FLOWERED. 20 in. Fine for bedding and borders.

Mixture of all colors in this dwarf class. Tr. pkt., 20c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.35.

SALVIA

SPLENDENS (Scarlet Sage). 8,000 S. This strikingly colorful brilliant scarlet annual is popular wherever bedding plants are grown. The following are listed according to their flowering dates—earliest first. In selecting varieties, keep in mind the fact that earliness is had at some cost in vigor and the earlier varieties will not make as big a showing in the fall as the later ones like *Bonfire* or *Splendens Tall*, but will bloom over a longer season.

***St. John's Fire.** The earliest and most dwarf variety available. About 12 in. high. Ours is an excellent strain. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.40; $\frac{1}{4}$ oz., \$2.50; $\frac{1}{2}$ oz., \$4.25; 1 oz., \$7.50.

***Blaze of Fire.** The standard extra early strain. Closely follows St. John's Fire in flowering and is somewhat stronger and more robust in growth. 14 to 16 in. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{2}$ oz., \$3.50; 1 oz., \$6.00.

***Firebrand** (Early Harbinger). 18 in. Between Blaze of Fire and America in earliness of flowering. Remains in full flower throughout the summer. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{2}$ oz., \$3.50; 1 oz., \$6.00.

***America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. Follows Firebrand in flowering date. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.75.

MISCELLANEOUS ANNUALS—Continued

SALVIA, Continued

Bonfire. 26 in. Medium tall, very even. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.50; 4 oz., \$15.00.

Splendens Tall. 30 in. The original late flowering species. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50; 4 oz., \$12.00.

FARINACEA (Blue Salvia). 24,000 S.

Blue Bedder. Medium blue in color and grows about 3 ft. tall with long stems for cutting. Tr. pkt., 35c; 1/4 oz., \$1.15; 1 oz., \$3.50.

Royal Blue. Slightly darker than Blue Bedder. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.50.

SANVITALIA

Procumbens. 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine, dwarf edging plant. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

SAPONARIA

VACCARIA. 5500 S. Gypsophila-like flowers.

Rose White

Prices above 2, each; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.00.

Saponaria Ocyoides, see page 45.

SCABIOSA

4500 S. Pleasing colors and long stemmed, free flowering habit make annual Scabiosa a worth while spring cut flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this. The first two listed are our finest strains and biggest sellers.

***Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

***Blue Moon.** Fine lavender-blue color with extra large, fully double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

Ageratum Blue. Large-flowered azure blue.

Fire King. Bright scarlet.

King of the Blacks. Deep rich maroon.

***Loveliness.** Extra large flowered, deep salmon-pink.

Rosette. Deep rose suffused with salmon.

***Shasta Improved.** Fine pure white.

Prices above 6, each: Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

***Heavenly Blue.** Clear azure blue. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.75.

Peace. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.75.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

Perennial Scabiosa, see page 45.

SCHIZANTHUS

60,000 S. A January sowing will produce nice 3 in. plants for spring combinations. Sow Sept. to Nov. for larger pot plants and spring cut flowers.

SCHIZANTHUS, Continued

***Ball Giant Flowered.** Extra large flowers (often 2 inches in diameter) and unusually brilliant colors are the outstanding points about this strain. Nice for cutting or makes a choice pot plant if pinched. Tr. pkt., 75c; 1/8 oz., \$2.00; 1/4 oz., \$3.60.

***Ball Dwarf Mixture.** A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.50.

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Dr. Badger's Improved Hybrids. A brightly colored large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., 35c; 1/4 oz., \$1.15.

***Giant Blotched.** Bright colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

Monarch Strain. An attractive mixture of bright golden rose colors. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

Pansy-Flowered Mixture. Flowers, flat and full petaled, resembling small Pansy flowers. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.80.

SHAMROCK

True Irish Shamrock. 38,000 S. Sow early Jan. in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.20.

SMILAX

4000 S. Well-known greenhouse climber. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.25.

Snapdragons, see pages 16 and 17.

Snow-on-the-Mountain, see Euphorbia, page 29.

SOLANUM

Love Apple. An annual shrubby plant growing to 3 ft. with long thorny branches of brilliant orange-red fruits about 1 1/2 in. across. Decorative and colorful material to cut for use in fall floral arrangements. Tr. pkt., 50c; 1/8 oz., \$1.50.

Christmas Cherries and **Christmas Peppers**, see page 25.

STATICE

SINUATA. 350 seed heads per oz. This attractive annual is largely grown outdoors for drying especially in southern localities, but a mid-winter sowing makes a nice late spring greenhouse crop.

***Market Grower's Blue.** Fine even deep blue. Excellent stock.

Kampf's Tall Improved. The standard long-stemmed blue.

***Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and good grower.

Rosea Superba. Rosy-lavender.

***Snow Witch.** A clear white selection from the old Sinuata white.

Hybrid Mixture. A very attractive mixture of all the standard colors.

Bonduelli Superba. 350 seed heads per oz. Similar in type to Sinuatas but with large yellow flowers.

Prices above 7, each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.60; 1 lb., \$4.80.

MISCELLANEOUS ANNUALS—Continued

STATICE, Continued

***Superb Hybrids** (New). Contains a much more complete range of colors, from white through chamois, pink, rose, and light blue to deep blue, than has heretofore been possible. In addition most of the heads are larger and more compact. Tr. pkt., 50c; 1 oz., 95c; 4 oz., \$3.20; 1 lb., \$9.50.

Suworowii (Russian or Rat-Tail Statice). 12,000 S. A very useful Statice for greenhouse forcing. Seed sown in January will produce fine artistically curved rose pink "rat-tails" that work in splendidly with centerpieces, etc., in late spring. Tr. pkt., 15c; 1/4 oz., 40c; 1 oz., \$1.35.

Perennial Statice, see page 46.

Stocks, see page 20.

Strawflower, see Acroclinium, page 22 and Helichrysum, page 31.

STRAWBERRY

Harzland (Runnerless). 90,000 S. Small red fruits are carried on fairly compact runnerless plants. Sow seed outside in early spring and carry plants thru summer in open, potting in fall for Thanksgiving and Christmas pot plants. A real novelty item for your holiday trade. Tr. pkt., 50c; 1/8 oz., \$1.50.

STREPTOCARPUS

Giant Flowered Mixture (Cape Primrose). Our original stock of this winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., \$1.00; 1/4 oz., \$2.75.

Sunflower, see Helianthus, page 31.

Sweet Peas, see pages 18 and 19.

THUNBERGIA

Alata (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff and orange—with black centers. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.50.

***Gibsoni**. Flowers of a solid, deep luminous orange are twice the size of Alata. Tr. pkt., 75c; 1/4 oz., \$2.90.

TITHONIA

Avalon Earliest. Extra early flowering with large blooms of brilliant reddish orange produced on long stems. Sow right outdoors in spring for summer use or in late summer for winter greenhouse flowering. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60.



Dannebrog—the finest red Verbena in our trial grounds.

Tobacco Plant, see Nicotiana, page 34.

TORENIA

375,000 S. Rich combinations of deep blue with violet blotches on lip. Nice spring pot or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta, Blue. A dwarf form of the above.

Fournieri Compacta, White. Dwarf white.

Prices above 3, each: Tr. pkt., 35c; 1/8 oz., \$1.15; 1/4 oz., \$2.00.

VENIDIUM

Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. At its best indoors on a raised bed from a fall sowing. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$3.75.

VERBENAS

10,000 S. These always popular and colorful plants are widely used for bedding, window boxes and combinations. Germination is not rapid, so should be sown in soil temperature of 65° to 70°. Once established, 48° nights suits them nicely, but be sure to pinch them early to avoid straggly growth.

GRANDIFLORA. Low growing (under 1 ft.) and spreading in habit, with large flowers.

***Beauty of Oxford Hybrids**. A very choice vigorous growing strain with extra large flowers. Colors range from clear rose-pink to deep rose-red, all with slight white eye.

Blue. Deep marine shade with white eye. Prefer Royale.

Cerise Queen. Bright cerise red.

***Crimson Glow**. Extra rich crimson without eye.

***Dannebrog**. A very attractive combination of bright scarlet with large white eye. Growth more compact than any other Grandifloras.

Ellen Willmott. Extra large, salmon rose; white eye.

Etna. Scarlet with small creamy white eye.

Floradale Beauty. A vigorous grower with large flowers in shades of red and pink.

***Lavender Glory**. Very fine, large flowered lavender with white eye. About 75% true to type; balance white and purple.

Lucifer. Scarlet. We prefer Mounty.

Luminosa. Deep salmon shaded pink with white eye.

Mayflower. Shades of salmon rose.

***Mounty**. A brilliant scarlet or cardinal red with small light eye. Color deeper than Spectrum Red and stronger in growth.

***Pure White**. Very even strain.

Rosea Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

***Royale**. Large flowered rich deep blue with creamy eye.

***Spectrum Red**. Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow.

Mixture of all colors in the Grandiflora class.

Prices above 18, each: Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.60.

BUSH TYPE. 10 in. A very uniform semi-dwarf, but upright and vigorous type of growth. Flowers are carried above the foliage adding much to the attractiveness of this new class.

***Giant Salmon Queen** (New). Large flowered bright coral salmon with creamy white eye. This variety was outstanding in our trial grounds last summer.

***Starlight** (New). Large flowers are a rich mid-blue with ivory white eye. An excellent companion to Salmon Queen.

Prices above 2, each: Tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.

MISCELLANEOUS ANNUALS—Continued



This young Vinca
is just starting
to flower.
Later these plants
literally cover
themselves
with blooms.
The hotter
the weather,
the better.

VERBENAS, Continued

Blue Sentinel. Bright blue with very little violet shading. Practically no eye. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

***Snowball.** Fine, free flowering pure white. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

UPRIGHT TYPE. 12 in. Somewhat taller and even more upright than the above class. Stems are long enough for limited cut flower use.

***Violet Bouquet.** Deep violet; distinct white eye. Upright symmetrical habit. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Royal Bouquet. A mixture of all colors in this upright type. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

COMPACTA. 4 to 5 in. An extra dwarf type for border and pot work. Not suitable where summer heat is excessive.

Fireball. Bright, fiery scarlet, small flowers.

Mixture of all colors in this compact class.

Prices above 2, each: Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS VARIETIES.

***Bipinnatifida.** 18 in. Very heavy, fast grower. Deeply serrated leaves account for its common name, Fern-leaved Verbena. Clusters of attractive lavender-blue flowers borne freely throughout season. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Bonariensis, Tobaty. 3 ft. Single stems tipped with a cluster of small lilac flower heads. Has some cut flower value but shatter rather easily. Tr. pkt., 35c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

***Venosa.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously throughout our hot mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.60.

VINCA

ROSEA. (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

***Twinkles.** Soft blush pink with bright red eye.

Pink. The standard medium pink.

Crimson. Slightly darker than above.

Alba Pura. Pure white.

Alba Oculata. White with red eye.

Delicata. Light lavender pink shade.

Mixture of above colors.

Prices above 7, each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

Viola, see page 46.

VIRGINIAN STOCK

Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant in shades of lilac, red and white. Tr. pkt., 15c; 1 oz., 65c.

VISCARIA

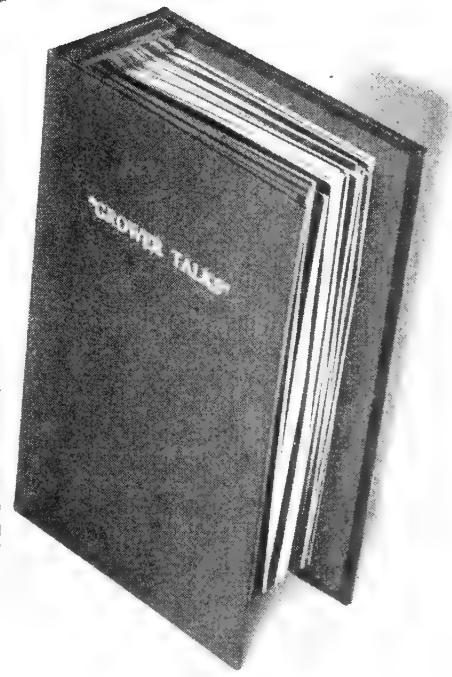
Loyalty. Fairly dwarf, 8-10 in. plants producing a wealth of single blue flowers about 1 in. across. Does best where summers are not too hot. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.40.

WALLFLOWER

Gold Standard. 14,000 S. Richly fragrant deep golden yellow. In our latitude should be sown in October for greenhouse flowering. Tr. pkt., 25c; 1/4 oz., 85c.

Perennial Wallflower, see Cheiranthus, page 42.

Zinnias, see pages 8 and 9.



FOR YOUR CONVENIENCE

Haven't you often wished that you had all your GROWER TALKS copies conveniently bound together for easy reference? Here's your answer. This binder holds 24 issues in a metal frame with durable hard covers finished in imitation leather. Copies are easily inserted or removed. We will mail it postpaid for \$1.50 (Binder only).

By the way—if you're not already a subscriber to GROWER TALKS, better let us put your name on our list. It's our monthly medium for suggesting timely sowing of essential crops, along with practical suggestions for growing them on. In addition it contains notes of general floricultural value. 8000 growers now receive it regularly 60c per year; 2 years, \$1.00.

CAN Build Sales with Better Perennials

We recommend sowing perennials in spring. Germination will be better than during the heat of mid-summer and the larger plants produced will winter over more satisfactorily. We feel that every grower should include at least a few perennials in his outdoor planting. They get along admirably with little care, and many make really profitable cut flowers.

ACHILLEA

***Filipendula, Parker's Variety** (Cloth of Gold). 22,000 S. Large heads of golden yellow flowers on long stems; fine for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

***The Pearl** (Ptarmica). 175,000 S. 30 in. The standard double white for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

ALYSSUM

The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

***Saxatile Compactum** (Gold Dust). 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Saxatile Silver Queen (Sulphureum). 30,000 S. Same as above but a light lemon yellow. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

ANCHUSA

***Barrelieri**. 5500 S. 15 in. Very fine Forget-Me-Not blue rock garden plant. Flowers middle to end of May. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

Dropmore Strain (Italica). 1100 S. 5 ft. Nice blue for cutting. Tr. pkt., 15c; 1/4 oz., 20c; 1 oz., 60c.

Myosotidiflora. 10,500 S. 12 in. May flowering Forget-Me-Not blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

ANEMONE

St. Brigid Mixed. Choice long stemmed mixture of brilliant colors. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

ANTHEMIS

Kelwayi (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced thruout the summer. Tr. pkt., 15c; 1 oz., 65c.

AQUILEGIA (Columbine)

15,500 S. Though not well adapted for shipping, well grown Columbines are of definite cut flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants storing in a cold house or frame until about Feb. 1. Start in a low temperature gradually increasing to around 50°.

Alpina. 2 ft. Blue. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

Coerulea (Rocky Mountain Columbine) Sky-blue with white corolla. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

Copper Queen. Copper red shades with straw-yellow corolla. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$8.25.

***Crimson Star Hybrids**. About 60% dark red with white corolla. Other interesting bi-colors make up the balance of this strain. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

***Longissima**. Delicate, pale yellow with extra long (4 in.) spurs. Tr. pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50.

***Longissima Hybrids**. A variety of attractive shades in this extra long spurred class. Tr. pkt., 50c; 1/16 oz., \$2.00.

***Mrs. Nicholls**. A large flowered, clear deep blue Columbine. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

***Mrs. Scott Elliott's Hybrids**. An excellent and popular long-spurred mixture. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Rose Queen. Rose with white corolla. Tr. pkt., 35c; 1/4 oz., 70c; 1 oz., \$2.10.

***Snow Queen**. Extra large pure white flowers. An exceptionally true and uniform strain. Tr. pkt., 25c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Mixture of all colors in this long-spurred class. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

ARABIS (Rock Cress)

150,000 S.

***Alpina Snowcap**. 6 in. Dwarf compact plants with dense masses of shining snow-white flowers. Blooms very early in spring. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

MISCELLANEOUS PERENNIALS—Continued

ARABIS, Continued

Alpina. 12 in. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.80.

Spring Charm (Blepharophylla). Carmine red. Tr. pkts. only, 35c.

ARMERIA

Formosa, Large Flowered Hybrids. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.30; 1 oz., \$3.90.

***Glory of Holland.** Ball-shaped deep pink flowers about 1 1/2 inches in diameter are carried on straight wiry stems 2 feet long. Fine for cutting and blooms throughout the summer. Tr. pkt., 50c; 1/8 oz., \$2.00.

Maritima (Statice Armeria). 17,500 S. 12 in. Lilac rose. Grass-like, evergreen foliage. Tr. pkt., 50c; 1/8 oz., \$1.50.

ASCLEPIAS

Tuberosa. 4500 S. Fine orange for cutting. Requires well drained location. Freezing over winter helps germination. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$2.75.

ASTER

Hardy Large Flowered Mixture. Perfectly hardy and attractive assortment. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00.

Alpinus, Finest Mixed. Lavender, blue and white flowers. Tr. pkt., 50c; 1/8 oz., \$1.00.

AUBRIETIA

Large Flowered Hybrids (Monarch Strain). 150,000 S. 6 in. Low growing mat-like plants; similar to *Arabis* but with flowers in a wide range of colors from lilac to purple. Tr. pkt., 50c; 1/8 oz., \$1.00.

Hendersoni. Deep purple. Tr. pkt., 50c; 1/8 oz., \$1.00.

Leichtlini. Carmine rose. Tr. pkt., 50c; 1/8 oz., \$1.00.

Baby's Breath, see *Gypsophila*, pages 31 and 43; also *Euphorbia Corollata*, page 43.

BAPTISIA

Australis (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 25c; 1 oz., 75c.

BELLIS

PERENNIS. This popular Double English Daisy is much used for spring and early summer bedding. Though a perennial, it is commonly grown as an annual like Pansies.

Red **Rose** **White**

Prices above 3, each: Tr. pkt., 50c; 1/8 oz., \$2.00; 1/4 oz., \$3.50.

Mixture. Tr. pkt., 50c; 1/8 oz., \$1.80; 1/4 oz., \$3.20.

BOCCONIA

Japonica (Plume Poppy). Huge spikes of creamy white flowers on 6 ft. plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

BOLTONIA

Latisquama. 95,000 S. 4 to 5 ft. Aster-like perennial with flowers of delicate pink about 1 in. across. Tr. pkt., 25c; 1/4 oz., \$1.00; 1 oz., \$3.00.

BROOM

Hybrids Mixed. 5500 S. 4 to 5 ft. Vigorous, hardy shrubs in a range of bright colors including all shades of pink, orange, terra cotta and crimson. Flowers second season from seed. Tr. pkt., 40c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

CAMPANULA

CARPATICA. 350,000 S. 12 in. Perennial. Wide, upright cup-shaped flowers are borne on slender erect stems. Plants are leafy clumps.

Blue. Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.35.

***Hybrid Mixture.** Contains many new colors in this dwarf class. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.70.

MEDIUM CALYCANTHEMA (Cup and Saucer Type). 120,000 S. 3 ft. Biennial. Both this and the following (Medium Single) are easily forced for spring greenhouse flowering either as pot plants or for cutting.

Dark Blue **Light Blue** **Rose** **White** **Mixture**

Prices above 5, each: Tr. pkt., 20c; 1/4 oz., 50c; 1 oz., \$1.60.

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. Biennial.

Dark Blue **Light Blue** **Pink** **White** **Mixture**

Prices above 5, each: Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

PERSICIFOLIA. 340,000 S. 30 in. Perennial. Large flowers on stiffly erect stems.

White **Blue** **Mixture**

Prices above 3, each: Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Telham Beauty. Large bells of China blue. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

PYRAMIDALIS (Chimney Campanula). 250,000 S. 5 ft. Perennial.

Mixture. Tr. pkt., 35c; 1/8 oz., \$1.00 1/4 oz., \$1.75.

Perennial Candytuft see *Iberis* page 44.

CARNATION

GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

King of the Blacks. Darkest red.

Golden Sun ***Pink** ***Red** **White** ***Mixture**

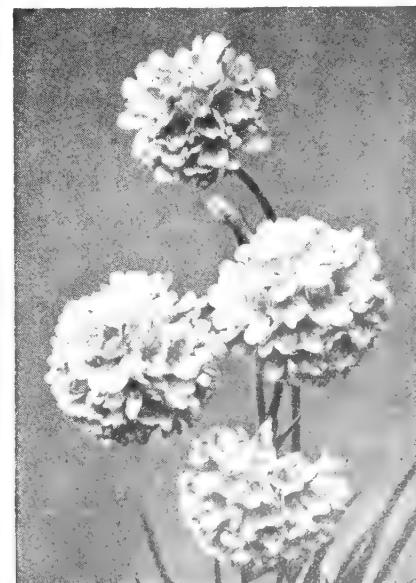
Price above 6, each: Tr. pkt., 50c; 1/4 oz., \$2.50; 1 oz., \$8.00.

Annual Carnations, see page 24.

CATANANCHE

Coerulea. 16,000 S. 24 in. Nice everlasting for cutting with light lavender-blue, *Centaurea*-like flowers produced freely first year from seed. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

Armeria Glory of Holland makes an unusually nice summer cut flower. 1 1/2 in. deep pink flowers are carried on wiry 2 ft. stems.



MISCELLANEOUS PERENNIALS—Continued

CENTAUREA

Montana. 1600 S. 24 in. Large Cornflower-blue flowers. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

Centaurea Cyanus, see page 25.

CERASTIUM

Tomentosum (Snow-in-Summer). 42,000 S. 10 to 12 in. An excellent dwarf bedding perennial with silvery white foliage and small white flowers. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

CHEIRANTHUS (Wallflower)

Golden Bedder. 19,000 S. 18 in. Large, deep golden yellow. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Allionii (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 35c.

Annual Wallflower, see page 39.

CHRYSANTHEMUM

***Glory Mixture.** Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains Korean and Arcticum Hybrids as well as Azaleamums, Indicum and Morifoliums. Tr. pkt., 75c; 1/8 oz., \$2.20; 1/4 oz., \$4.00.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Many of these bloom rather late for localities with early frost dates. Tr. pkt., \$1.00; 1/8 oz., \$2.75; 1/4 oz., \$5.00.

CLEMATIS

Paninculata. 10,000 S. White flowered climber. Tr. pkt., 70c; 1/8 oz., \$1.40; 1/4 oz., \$2.50.

Recta, Mandschuria. 5000 S. Panicles of fragrant white flowers on 4 to 5 ft. plants. Tr. pkt., 70c; 1/8 oz., \$1.40; 1/4 oz., \$2.50.

COREOPSIS

The long, graceful stems and rich, golden yellow color give this plant real value for cutting. We find it best treated as a biennial.

Sunburst (New Gold). 11,000 S. A fine semi-double strain. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

Mayfield Giant. 11,000 S. Extra large deep golden yellow. Single. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

DAISY, SHASTA

(Chrysanthemum Maximum)

***G. Marconi.** The largest flowered and finest double Shasta Daisy strain. Long-stemmed. Originator's seed. Tr. pkt., 50c; 6 Tr. pkts., \$2.50. Regular stock. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; 1/16 oz., \$1.25; 1/4 oz., \$4.00.

June Marguerite. 40,000 S. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

***Mayfield Giant.** 21,000 S. Quite large flowered, end of June.

Alaska. 21,000 S. The standard Shasta Daisy, July.

Conqueror. 21,000 S. Giant late white, late July.

Prices above 3, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Delphinium, see page 11.

DIANTHUS

28,000 S. Easily grown from seed and flowers the second season from sowing. Germinates best in soil temperature of 65° to 75°.

Allwoodi Alpinus Mixed (8 to 10 in.). 1 1/2 in. single flowers in shades of pink. Early June. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

Deltoides Erecta. 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

***Latifolius Atrococcineus.** 12 to 15 in. Miniature Rose-like flowers. Bright crimson. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Winteri. Large single flowers in a rich mixture of pure colors are borne on compact 9 in. plants. Long blooming period. Tr. pkt., 50c; 1/8 oz., \$1.50.

PLUMARIUS (Clove Pink).

Cyclops. Deep rose with crimson ring. Tr. pkt., 35c; 1/4 oz., \$1.00.

Double Mixture (Scoticus Florist Strain). Various shades of pink, rose, salmon and white; some self colors, others with bright crimson zone. 1 1/2 to 2 in. flowers on 12 to 15 in. stems. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Single Mixture. 20 in. Free flowering, and sweet scented. Tr. pkt., 15c; 1/4 oz., 40c; 1 oz., \$1.35.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed. All of the following varieties are single.

***Holborn Glory.** Striking combination of crimson with white.

***Newport Pink** (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive.

Purple Beauty. A rich deep color.

Scarlet Beauty. Well named, intense scarlet red.

Giant White. Ours is an extra large flowered strain.

Single Mixture.

***Double Mixture.**

Prices above 7, each: Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.40.

***Single Midget Mixed.** Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

***Double Midget Mixed.** 6 to 8 in. Like above except flowers are double. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

Annual Dianthus, see page 29.

DICENTRA

Spectabilis (Bleeding Heart). 6000 S. 32 in. Rosy red flowers. Tr. pkt., \$1.00; 1/16 oz., \$1.75; 1/8 oz., \$3.25.

Eximia (Plumy Bleeding Heart). 16,000 S. Dwarf, 12 in. Rose-pink. Tr. pkt., 35c; 1/4 oz., \$1.00.

DICTAMNUS

Fraxinella (Gas Plant). 1700 S. 30 in. Pink with dark veins. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

DIGITALIS

GLOXINOIDES (Foxglove). 180,000 S. 4 ft. Biennial. This is an extra large flowered strain.

Purple Rose White Giant Shirley Mixture

Prices above 4, each: Tr. pkt., 20c; 1/4 oz., 60c; 1 oz., \$2.00

ECHINOPS

Ritro (Globe Thistle). Metallic blue flower heads 2 in. across are borne on 2 to 3 ft. plants. Can be dried for winter bouquets. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS PERENNIALS—Continued



Note the attractively fringed flowers of this new Hollyhock Triumph. Fully described in box at lower right.

EUPHORBIA

Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.25.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6-8 in. tall. Tr. pkt., 35c; 1/8 oz., \$1.00.

Polychroma. 15 to 18 in. Bushy plants with bracts of bright yellow changing to rosy bronze. Tr. pkt., 50c; 1/8 oz., \$1.35.

Feverfew, see Matricaria, page 44.

Foxglove, see Digitalis page 42.

GAILLARDIA

GRANDIFLORA. 9500 S. The following strains, except Goblin, are excellent cut flower sorts.

***Dazzler**. The standard fine cutting strain. Golden yellow with maroon center.

***Monarch Strain**. A very superior mixture of large, full petaled flowers with an unusually bright color range.

Prices above 2, each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

***Burgundy**. Deep shade of wine red. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

Portola Hybrids Mixed. Standard hybrid mixture. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Goblin. Forms very attractive compact plants with red and yellow bicolored flowers. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

Annual Gaillardia, see page 30.

Gas Plant, see Dictamnus, page 42.

GEUM

7000 S. The following two provide nice cut flower material and are perfectly winter hardy with some protection.

Lady Stratheden. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices above 2, each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

GILIA

Coronopifolia (Standing Cypress). Heads of scarlet flowers on 5 ft. plants. Biennial. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

GYPSOPHILA

34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

***Pacifica**. 42 in. Starry pink flowers in Sept. and Oct. Tr. pkt., 25c; 1/4 oz., 80c; 1 oz., \$2.75.

***Oldhamiana**. 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. Oct. flowering—watch frost dates. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

PANICULATA. The regular white hardy Gyp. Note that double grafted varieties like Bristol Fairy are not available from seed. Write us for prices on Bristol Fairy plants.

***Double Snow Flake**. 40 in. An improved double hardy Gyp. About 50% are double flowering plants. Tr. pkt., 35c; 1/4 oz., \$1.35; 1 oz., \$4.50.

Single White. 40 in. Tr. pkt., 15c; 1 oz., 40c; 4 oz., \$1.35.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose. Tr. pkt., 25c; 1/4 oz., 80c; 1 oz., \$2.40.

Annual Gypsophila, see page 31.

HELIANTHEMUM

Mutabile (Sun Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant completely covered with blooms in mixed colors during July and August. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.35.

HESPERIS

Matronalis (Sweet Rocket). 15,000 S. Sweet scented violet flowers on 3 to 4 ft. plants.

Matronalis, White. Same as above except for color.

Prices above 2, each: Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

HEUCHERA (Coral Bells)

750,000 S. 24 in.

Sanguinea, Splendens. Crimson.

Sanguinea, Hybrida Mixed. Shades of red thru rose to white.

Prices above 2, each: Tr. pkt., 50c; 1/8 oz., \$1.75; 1/4 oz., \$3.00.

HIBISCUS

Mallow Marvels Mixed. 4 ft. Ours is a very showy extra large flowered strain. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.20.

HOLLYHOCK

Imperator Improved. 2700 S. Choice double crested "Tuberous Begonia Flowered" mixture. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.80.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Triumph. Extra large, fully double flowers in unusual, delicate art shades. Most blooms are attractively fringed. May be handled as an annual—if sown indoors in Feb. and transplanted to the open in spring, all plants will flower nicely the same summer. Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.50.

MISCELLANEOUS PERENNIALS—Continued

HOLLYHOCK, Continued

CHATER'S DOUBLE. 3100 S. The standard double.
Chamois, Deep Rose, Lilac Beauty, Newport Pink, Scarlet,
 Sulphur Yellow, White and Mixture
 Prices above 8, each: Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.50.

IBERIS (Hardy Candytuft)

11,500 S.

Gibraltarica. 12 in. Large flowered lilac. Tr. pkt., 20c;
 1/4 oz., 45c; 1 oz., \$1.40.

Sempervirens. 12 in. White flowers in late May. Seedlings
 flower second season. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz.,
 \$4.50.

INCARVILLEA

Grandiflora, Brevipes. Brilliant dark rose flowers. Tr. pkt.,
 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

IRIS

Dichotoma (Vesper Iris). Mixed colors; fragrant. Tr. pkt.,
 30c; 1/4 oz., 65c; 1 oz., \$2.00.

LATHYRUS

LATIFOLIUS (Hardy or Everlasting Sweet Pea). 500 S. Abundant
 source of short-stemmed flowers. 7 ft.

Pink Beauty **White Pearl** **Red** **Mixture**
 Prices above 4, each: Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

LAVANDULA

(32,000 S.)

***Munstead Strain**. 12 in. Freely produces large sweet
 scented flowers a month earlier than the common Lavender. An improved Vera. Tr. pkt., 35c; 1/4 oz., \$1.00.

LEONTOPODIUM

Alpinum (Edelweiss). 275,000 S. Attractive rock garden
 plant. Small greenish white leaves. Tr. pkt., 50c; 1/16 oz.,
 \$1.00; 1/8 oz., \$1.80.

LIATRIS (Gay feather)

9500 S. Excellent cut flowers with long, decorative, bold
 spikes. All are easily grown.

***Pycnostachya**. Extra long-stemmed—3 to 5 ft. with long 15
 to 18 in. flower spikes of rosy purple. Finest cut flower kind.

Scariosa. 4 ft. Extra large individual flower heads of rosy
 purple are carried on long, loosely set spikes.

Spicata. Not quite so long-stemmed or with as long flower
 spikes as Pycnostachya; purple. Prefers a damp low location.

Prices above 3, each: Tr. pkt., 30c; 1/4 oz., 90c; 1 oz., \$2.70.

***Scariosa White**. A very fine pure white. Long spikes.

***September Glory**. Tall growing with purple spikes.
 Prices above 2, each: Tr. pkt., 50c; 1/4 oz., \$1.80; 1 oz.,
 \$5.40.

LILIES

***White Queen**. 8300 S. This is the largest and finest seed
 propagated Lily we know of. Produces a plentiful quantity
 of real quality flowers in 16-18 months from seed. Pure
 white. 1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/8 oz., \$2.50;
 1/4 oz., \$4.50; 1 oz., \$15.00.

Candidum (Madonna Lily). Tall pure white. Tr. pkt., \$1.00;
 1/8 oz., \$2.75; 1/4 oz., \$5.00; 1 oz., \$15.00.

LILIES, Continued

Formosanum, Giant Flowered. 8200 S. An improved form of
 Philippine Lily. White flowers. Tr. pkt., 50c; 1/4 oz., \$1.00;
 1 oz., \$3.50; 4 oz., \$12.00.

Henryi. Orange, spotted brown. Seed should be frozen in flats
 for 4 weeks at about 30° for best germination. Tr. pkt., 25c;
 1/4 oz., 50c; 1 oz., \$1.50.

Regale (Regal Lily). 6500 S. The large, showy flowers are
 pure white inside with yellow base; reverse of petals is
 tinged with pink. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50;
 4 oz., \$5.00.

Tenuifolium (Coral Lily). Freely produces medium sized
 flowers of brilliant coral red. 18 to 20 in. tall; May flower-
 ing. Tr. pkt., 35c; 1/4 oz., 75c.

LINUM

Perenne (Perennial Flax). 8500 S. 2 ft. Attractive blue
 flowers on slender stems. Tr. pkt., 15c; 1 oz., 50c.

Flavum. Yellow. Tr. pkt., 25c; 1/4 oz., 75c.

LOBELIA

Cardinalis (Cardinal Flower). 725,000 S. 36 in. Bright card-
 inal red. Tr. pkt., 35c; 1/4 oz., \$1.20; 1 oz., \$3.60.

LUNARIA

BIENNIS (Honesty or Money Plant). 1500 S.

White Mixture

Prices above 2, each: Tr. pkt., 25c; 1/4 oz., 35c; 1 oz., \$1.25.

LUPINE

POLYPHYLLUS (Hardy Lupine). Fine for cutting. Requires
 a well drained location and thrives best in cool climate.

***Russell Strain**. 1000 S. Long, closely set spikes of extra
 large florets in rich self colors and unusual bi-colors.
 Developed by a famous English specialist.

Reselected Stock (Originator's packets) 20 seeds, 30c;
 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.

Grown from Originator's Stock. Tr. pkt., 35c; 1/4 oz.,
 60c; 1 oz., \$2.00; 4 oz., \$6.00.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 15c; 1/4 oz., 35c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$1.80.

White. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

***Harkness Regal Mixture**. The standard fine hybrid mixture.
 Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

LYCHNIS

Chalcedonica (Maltese Cross). 64,000 S. 36 in. Scarlet. Tr.
 pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

MATRICARIA

CAPENSIS (Feverfew). 145,000 S.

***Ball Double White**. Sowings of this popular strain of Fever-
 few made through January will produce a welcome cut during
 July and early August. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz.,
 \$1.75; 1 oz., \$5.75.

Double Golden Ball. 10 in. Dwarf, semi-double yellow. Tr.
 pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

MYOSOTIS (Forget-Me-Not)

42,000 S.

***Blue Bird** (Oblongata). 12 in. Standard blue for spring
 greenhouse flowering. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz.,
 \$3.00.

MISCELLANEOUS PERENNIALS—Continued

MYOSOTIS, Continued

Palustris Semperflorens. Dwarf blue, 12 in. Flowers from early spring until autumn. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

VICTORIA. A dwarf, compact strain. 6 to 8 in.

Dark Blue Rose White Dwarf Mixed

Prices above 4, each: Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50.

ALPESTRIS. Biennial.

Blue Eyes. Early flowering bright blue with white eye. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

***Royal Blue** (Indigo Blue). 12 in. Deep rich blue. Tr. pkt., 30c; 1/4 oz., 85c; 1 oz., \$3.00.

Myosotis Ball Early. see page 33.

Pointed Daisy, see Pyrethrum, this page.

NEPETA

Mussini (June-flowering Catnip). 52,000 S. 12 in. Neat bushes with lavender-blue flowers; both foliage and flowers are aromatic. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

OENOTHERA

Youngii (Sundrop). 18 in. Large yellow blooms. Tr. pkt., 25c 1/4 oz., 60c 1 oz., \$1.80.

PHLOX

Hybrid Mixture (Decussata). 2500 S. 3 ft. Our strain of this popular perennial Phlox contains many large flowered brilliantly colored types. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.40.

PHYSALIS

Francheti (Chinese Lantern Plant). Giant orange-scarlet pods. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

PHYSOSTEGIA

Virginica (False Dragonhead). 16,000 S. 4 ft. Rosy lilac. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Pinks, see Dianthus, pages 29 and 42.

PLATYCODON

GRANDIFLORUM (Tufted Harebell or Balloon Flower). 28,000 S. 24 in. Very attractive for spring sales.

Blue. A clear deep violet blue. Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50.

POPPY

ORIENTALE (Oriental Poppy). 140,000 S. Large cup-shaped flowers with crinkled petals. Newly opened flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., 30c; 1/4 oz., \$1.25.

Brilliant. Vivid, fiery red. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

Princess Victoria Louise. The standard light orange salmon. Tr. pkt., 30c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Mixture. Of all colors. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Annual Poppy, see page 35.

Something new in spring pot plants?

PRIMULA

VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

***Colossea.** Extra large flowers (1 1/2 to 2 in.) on long stiff stems. Remarkable range of unusual colors. Tr. pkt., \$1.00; 1/8 oz., \$2.75; 1/4 oz., \$5.00; 1 oz., \$15.00.

***Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., \$1.00; 1/8 oz., \$2.75; 1/4 oz., \$5.00; 1 oz., \$15.00.

Polyanthus Mixture. 12 in. Tr. pkt., 75c; 1/8 oz., \$2.20; 1/4 oz., \$4.00; 1 oz., \$12.00.

***Giant Monarch Strain.** A fine large flowered mixture. Tr. pkt., \$1.00; 1/8 oz., \$2.75; 1/4 oz., \$5.00; 1 oz., \$15.00.

Giant Crimson. **Giant Yellow.** **Giant White.** Prices above 3, each: Tr. pkt., 75c; 1/16 oz., \$1.75; 1/8 oz., \$3.00.

Vulgaris (True Yellow English Primrose). 19,000 S. 6 in. Tr. pkt., 50c; 1/4 oz., \$1.65; 1 oz., \$6.00.

Annual Primulas, see page 35.

PYRETHRUM

ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

Atrosanguineum. A popular dark crimson strain.

Rose. Single pink flowers.

Robinson's Dark Crimson. Giant flowered, dark red.

***Robinson's Hybrids.** Large single mixture.

***Semi-Double Mixture.** An excellent strain.

Single Mixed. An attractive mixture of colors in the large-flowered single type.

Prices above 6, each: Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

***Extra Double Mixture.** The European producer of this fine strain assures us that the percentage of large extra double flowers exceeds that of any other strain. Note, however, that 2 years growth is required to produce the finest flowers in any double Pyrethrum. Tr. pkt., 50c; 1/8 oz., \$1.40; 1/4 oz., \$2.50; 1 oz., \$7.50.

Parthenifolium Aureum (Golden Feather). Dwarf, yellow-green foliage. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

RUDBECKIA

Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple flowers. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

SALVIA

Patens. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

SAPONARIA

Ocyoides. 5500 S. 12 in. Trailing rock plant; rose pink flowers. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.10.

SCABIOSA

2400 S. Excellent large flowered perennial cut flower material. Seed germination sometimes slow.

Fischeri. 30 in. Rounded bushy plants. Flowers a bright lilac lavender color. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Try hardy Primula for a real show.

MISCELLANEOUS PERENNIALS—Continued

SCABIOSA, Continued

CAUCASICA. 30 in. Flower heads up to 3 in. across.
Goldingensis. Large flowered, fine deep lavender. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.
Perfecta. Improved large flowered form of this lilac lavender strain. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.50.
***House Hybrids.** Large flowers ranging from white to deep blue. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

STATICE

Perennial Statice are very hardy, make good cut flower material and can be dried and dyed.

Caspia. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.
***Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.
***Latifolia (Sea Lavender).** 40,000 S. 30 in. Standard blue perennial Statice. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.85.
Perezi. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.85.
Annual Statice, see page 37.

STOKESIA

Cyanea (Stoke's Aster). 3300 S. 16 in. Large blue flowers. Tr. pkt., 35c; 1/4 oz., 90c.

THALICTRUM

Dipterocarpum (Meadow Rue). 12,000 S. 3 to 4 ft. Rosy purple clusters of flowers in early June. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

THERMOPSIS

Caroliniana. 3 to 5 ft. Long panicles of yellow pea-shaped flowers. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

TRITOMA (Red Hot Poker)

22,000 S. Attractive long spikes from late summer until frost. 3 to 4 ft.

***Pfitzer's Hybrids.** Large brilliant red.

Mirabilis Hybrids. Yellow and orange shades.

Prices above 2, each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

TROLLIUS

8000 S. Allow seed to stand outdoors over winter for good germination. Plants require moist soil.

Ledebouri, Orange (Globe Flower). The standard variety. 2 ft. tall. Tr. pkt., 50c; 1/16 oz., \$1.25; 1/8 oz., \$2.00.

Europaeus (Golden Ball). Late yellow. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

VERONICA

Spicata, Dwarf Mixed (Speedwell). Showy, easily grown plants; brightly colored. Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

VIOLA

CORNUTA. 24,000 S. (except Blue Elf). Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Prefer Chantreyland. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00; 1 oz., \$6.00.

Arkwright Ruby. Maroon-scarlet with dark center. Bright color. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.65; 1 oz., \$8.00.

Black Imp (Nigra). Small, velvety, coal-black flowers. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.



Violas bloom more freely than Pansies, and over a longer period.

VIOLA, Continued

***Blue Elf (Improved Johnny Jump Up).** 43,000 S. Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

***Blue Perfection.** Large flowered clear medium blue. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00; 1 oz., \$6.00.

***Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00; 1 oz., \$6.00.

Firmament. Free blooming, clear sky blue. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.65; 1 oz., \$8.00.

***Helen Mount.** A richly colored combination of violet, lavender and canary yellow. Very free flowering with narrow bushy foliage. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

Jersey Gem. Deep orchid violet; large flowered and attractive. Tr. pkt., 50c; 1/16 oz., \$1.50; 1/8 oz., \$2.70.

***Lutea Splendens.** Clear golden yellow. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

***White Perfection.** Small pure white. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

***Large-Flowered Mixture.** Complete mixture of all large flowered varieties. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

YUCCA

Hardy Varieties Mixed. Striking plants of exotic appearance. Many varieties are included in this blend. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

Vegetable Seeds for Florists

FOR FORCING

For easy reference we've marked the best vegetable varieties for greenhouse forcing with an asterisk (*). All are thoroughly tested.

BEANS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Bountiful. Green bush.....	\$0.15	\$0.40	\$1.75	\$3.50
Golden Wax. Yellow bush.....	.15	.40	1.75	3.50
Kentucky Wonder. Green pole.....	.15	.40	1.75	3.50
Stringless Green Pod......	.15	.40	1.75	3.50
Burpee's Bush Lima......	.20	.50	2.25	4.50

CORN

	.15	.35	1.60	3.15
Country Gentleman. White.....	.15	.35	1.60	3.15
Golden Bantam .....	.15	.35	1.60	3.15
Golden Cross (Hybrid).....	.20	.50	2.25	4.50

	.15	.35	1.60	3.15
Stowell's Evergreen. White.....	.15	.35	1.60	3.15

PEAS

	.15	.30	1.35	2.70
Alderman. Tall .....	.15	.30	1.35	2.70
Thos. Laxton. Medium.....	.15	.30	1.35	2.70

	.15	.30	1.35	2.70
Little Marvel. Dwarf.....	.15	.30	1.35	2.70

BEETS

	1 oz.	4 ozs.	1 lb.
(1 oz. for 60-foot row) Sow when ground can be worked and make successive sowings until July. Space rows 18 inches. Broadcast seeds in Ball Bands for plant sale.			

Crosby's Egyptian (Original Strain).....	\$0.15	\$0.50	\$1.50
Detroit Dark Red (Improved Strain).....	.15	.50	1.50

*Early Wonder Tall Top. Valuable for BEET GREENS as well as globular roots....	.15	.50	1.50
*Extra Early Flat Egyptian. Earliest and best for forcing or home garden.....	.15	.50	1.50

BROCCOLI

(About 10,000 seeds per oz.) Sow in March. Space plants 36x24".			
Green Sprouting Early. Valuable all-season "cut and come again" strain for home garden or market..	.40	1.30	3.90

PLANTOMAT JR. SAVES SEED AND TIME IN SOWING TOMATOES AND PEPPERS!

It's as sturdily made as the LITTLE WONDER SEEDER (pictured and described on page 22) and easily operated as shown. Plantomat Jr. handles Tomato and Pepper seed only, and is made to fit flats 12 or 14 inches outside width. **Specify outside width of your flats when ordering.** Sent postpaid for **\$9.75**. Made to fit other width flats at slight additional cost.



FOR PLANT SALES

Band-grown vegetables mean earlier crops. Use the banded plant cut as your guide to suitable varieties for growing in Plant Bands.

BRUSSELS SPROUTS

1 oz. 4 ozs. 1 lb.

(About 7000 seeds per oz.) Sow in March. Space 36x18".		
Long Island Imp. 90 days. Stem closely set with 1 1/2 in. round cabbage-like heads. 20" tall, good keeper		

(About 7000 seeds per oz.) Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days

indicated are from the date the plants are set out. Handling cabbage plants in bands will prevent premature heading.

YELLOWS RESISTANT VARIETIES

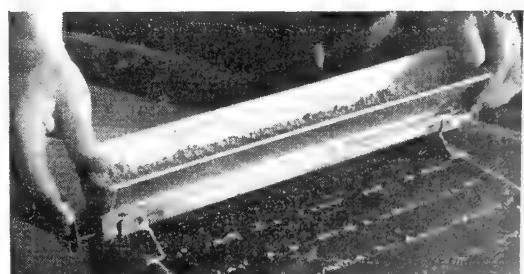
In order of maturity.

Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical....	.40	1.30	4.20
Marion Market. Heads a little later and larger than Copenhagen Market.....	.50	1.60	4.80
Wisconsin All-Season. Good winter keeper; large flat hard heads.....	.50	1.60	4.80
Bugner. 100 days. Round heads; average 10 lbs., 8 inches diameter. Excellent.....	.90	3.00	9.00
Wisconsin No. 8. Resistant Hollander.....	.60	2.00	6.00

STANDARD VARIETIES

In order of maturity.

Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting. ..	.35	1.20	3.60
Golden Acre. Round heads, short stem, 64 days. Uniform, firm, matures evenly..	.45	1.50	4.50
Copenhagen Market. A very choice strain. Medium-sized heads; compact.....	.45	1.50	4.50
Charleston (Large Wakefield). Heart shaped, average weight 4-5 lbs.....	.35	1.20	3.60
Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality....	.35	1.20	3.60



PLANTOMAT JR. sowing Tomato seed. Even sowing means less spindly seedlings and better plants.

Vegetable Seeds for Florists (Continued)

CABBAGE, Continued

	1 oz.	4 ozs.	1 lb.
Glory (Glory of Enkhuizen). Valuable for kraut. Average 6-8 lbs.....	\$0.40	\$1.30	\$4.20
All Head Early . Good winter keeper. Deep heads, flat, firm, valuable for kraut, 77 days.....	.35	1.20	3.60
All Season . Best in hot, dry weather.....	.35	1.20	3.60
Late Flat Dutch . Good keeper, firm heads	.40	1.30	3.90
Danish Ballhead . Penn State Strain (Short Stem). Best late variety, heads large, flat, solid; keeps until late spring. 105 days....	.50	1.50	4.50
SAVOY and RED CABBAGE			
Chieftain . 85 days. Heads medium large, flat and firm. Crimped leaves.....	.50	1.50	4.50
Mammoth Rock Red . Best red variety.....	.50	1.50	4.50

CELERIAC

 Large. Smooth Prague . Turnip-celeri. Excellent winter keeper 1/4 oz., 25c.....	.70	2.35	7.00
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CHINESE CABBAGE

Michihli (New). 70 days. 20 in. tall. Surer heading and more uniform than the old Chihli. Crisp, tender and well balanced. A great improvement75	2.50	7.50
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CAULIFLOWER

 (About 7000 seeds per oz.). We offer only genuine Danish grown seed, recognized as the world's finest. Sow in Feb. or March for plant sale. To insure unchecked growth and sure heading, plants should be handled in bands or pots. Space 18x24 in. Days indicated are from date plants are set out.
Danish Giant Dry Weather . Select. 70 days.
Early Dwarf Erfurt . Select. 60 days.
* Early Snowball "A." 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture.
Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.
Snowdrift . 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.
Prices above 5, each: Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.40; 4 oz., \$8.00; 1 lb., \$24.00.



Cauliflower—Snowball "A."

CARROT

	1 oz.	4 ozs.	1 lb.
(1 oz. for 300-ft. row). Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".			
* Amsterdam Forcing . Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties	\$0.35	\$1.20	\$3.60
Chantenay Red Cored . Tapering.....	.20	.60	1.80
Danvers Half Long . Tapering.....	.20	.60	1.80
Hutchinson . Latest and largest variety.....	.20	.70	2.10
Morse's Bunching (All America Award) .....	.20	.60	1.80
Nantes Stump Rooted . Cylindrical.....	.20	.70	2.10
Oxheart or Guerande . Easy to pull.....	.20	.60	1.80

CELERY

 (About 8000 plants per oz.). Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.

Giant Pascal . 140 days. The standard late green celery. 1/2 oz., 40c.....	.70	2.35	7.00
Golden Plume . Select. 85 days. Desirable for home and market garden. 1/2 oz., 50c..	.90	3.00	9.00
Golden Yellow Self-Blanching . Dwarf. Standard market sort. 1/2 oz., 50c.....	.90	3.00	9.00
Summer Pascal . 110 days. Uniform thick rounded stalks. 1/2 oz., 40c.....	.70	2.35	7.00
Utah or Salt Lake No. 99 . 125 days. Mid-season, full hearted and compact. 1/2 oz., 40c .....	.70	2.35	7.00

CHIVES

 (Grass-Onion). A perennial, quickly started from seed. Popular for flavoring and borders. 1/4 oz., 30c

CORN , see page 47.	.90	3.00	9.00
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CRESS

(Curled or Pepper Grass) Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50°	.25	.80	2.40
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CUCUMBER

(About 1000 seeds per oz.) 1 oz. for 80 hills or 200-ft. row. Distance between rows 3 to 6 ft.			
* A. & C. 68 days. 8 to 9 in. Deep green. Does well on light soil.....	.25	.85	2.50
Chicago Pickling . 6 in. 60 days.....	.25	.85	2.50
* Davis Perfect . Fine slicing variety. 9 in.	.30	1.00	3.00
Imp. Long Green . Ideal slicer. 12 in.....	.30	1.00	3.00
* Longfellow . 72 days. One of the main forcing varieties. 12 to 14 in. long.....	.35	1.20	3.50
National Pickling . 50 days. Considered best for small pickles.....	.25	.85	2.50
* Seedless Supreme (New). Best of the European forcing types. Forms 12-14 in fruits without pollination and is entirely seedless. Dark green, disease resistant, very prolific. For forcing only in high humidity at 75-85° temperature. Further cultural notes in U.S.D.A. Bulletin No. 1320 (5c). 100 seeds, \$1.00; 1000 seeds, \$9.00.			
Small Gherkin . 2 in. long; very prolific....	.30	1.00	3.00
Straight 8 . Deep green; ideal shipper.....	.30	1.00	3.00

EGG PLANT

(About 6000 seeds per oz.) Sow in Feb. or March for plant sales. Space plants 18x24 in.			
Black Beauty . Popular market variety. Dark purple. Broad, egg-shaped.....	.60	2.00	6.00
Fort Meyers Market . Oval fruits carried well above ground. Quite resistant to disease and excessive heat. 1/2 oz., 45c.....	.80	2.70	8.00

Vegetable Seeds for Florists (Continued)



This unretouched photo shows the great productivity and large size of the new Forcing Cucumber "Seedless Supreme". (See opposite page).

ENDIVE 1 oz. 4 ozs. 1 lb.

(1 oz. for 100-ft. row.) Sow in April or June/July for fall crop which may be kept for several months if taken up with soil before killing frost, packed closely and stored in basement.

Full Heart Batavian (Escarolle) \$0.20 \$0.60 \$2.00
Deep Heart Fringed. Upright growth..... .20 .60 2.00

POPULAR HERBS



Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medicinal and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

Anise—Basil—Borage—Coriander—Dill—Fennel
—Sweet Marjoram—Sage—Savory—Thyme.

Prices above 10, each: Tr. pkt., 15c.
Collection one each of above 10 varieties, \$1.00.

KALE 1 oz. 4 ozs. 1 lb.

(About 7000 seeds per oz.)

Dwarf Green Curled. Very hardy..... \$0.25 \$0.75 \$2.40
Tall Green Curled Scotch. 30 in. tall..... .25 .75 2.40

KOHLRABI

(About 7000 seeds per oz.)

***Early White Vienna**. Standard sort for forcing and home garden. Globe-shaped.... .30 1.00 3.00
Early Purple Vienna..... .30 1.00 3.00

LEEK

(About 9000 seeds per oz.) More delicately flavored than the mildest onion. Has a decided sweet flavor. Cooked and served like asparagus. Grow for plant sale like Onions. Stores well; extremely hardy.

Elephant. 150 days. 8 in. stems. Best strain of this fine "Asparagus Onion"..... .45 1.50 4.50

LETTUCE

1 oz. 4 ozs. 1 lb.

 (15,000 seeds per oz., 1/4 oz. for 100-ft. row.) There is a premium on lettuce PLANTS as they are readily transplanted in bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.

FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50°. Transplant. Sow any time.

***Grand Rapids Forcing**. The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early..... \$0.25 \$0.80 \$2.40

***Bibb Forcing**. Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids..... .30 1.00 3.00

STANDARD VARIETIES

Big Boston. HEADING; used for spring and fall hot-bed and cold-frame culture..... .20 .70 2.10

Black-Seeded Simpson. LOOSE-LEAVED

Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All America" winner

Imperial No. 44. Sure HEADING Iceberg type. Recommended for plant sales..... .35 1.15 3.40

New York No. 12. Early sure HEADING Iceberg type. Does well in mid-summer....

May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames.. .20 .70 2.00

MUSKMELON

(1000 seeds per oz.)

Honey-Dew. MILDEW-RESISTANT..... .30 90 2.70

Honey Rock. 85 days. Flesh orange, sweet and of finest flavor. Good shipper..... .30 .90 2.70

Iroquois. 90 days. Resistant Bender type. Orange flesh..... .30 .90 2.70

Pride of Wisconsin. 86 days. Thick, orange-fleshed, popular

Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew.... .30 .90 2.70

WATERMELON

Harris Earliest. 80 days. Fruits oval..... .20 .70 2.10

Wonder (Improved Kleckley's Sweet)

ONION

(About 9000 seeds per oz.)

Ebenezer. Early flat straw-colored, mild-flavored; used for sets..... .35 1.20 3.60

Prizetaker (Valencia). Yellow, good keeper, flesh mild. 1/2 oz., 40c..... .70 2.30 6.90

Southport Red Globe. 110 days. Splendid keeper. Best red variety. 1/2 oz., 30c

Riverside—Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Mid-season. 1/2 oz., 40c..... .70 2.30 6.90

Yellow Globe Danvers. Firm and hard; excellent keeper. 1/2 oz., 25c..... .40 1.30 3.90

Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. 1/2 oz., 40c

.70 2.30 6.90

PARSLEY

(1/4 oz. per 100-ft. row). Roots are transplanted from outside to 4 in. pots or ground bed in cool house, or sow directly, 8x8 in. Fine crop either for cutting or to sell in pots.

***Extra Triple Curled**. 75 days. Closely curled, very compact and productive..... .15 .50 1.50

***Paramount**. 90 days. The most dwarf and curled Parsley. Uniform dark green... .15 .50 1.50

Vegetable Seeds for Florists (Continued)



If you're looking for a yellow fleshed California Wonder type Pepper, this is it—Golden Wonder.

PARSNIP

1 oz. 4 ozs. 1 lb.

1 1/2 oz., per 100-ft. row). Sow early, space rows 18 in. Roots hardy			
Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor	\$0.15	\$0.50	\$1.50
Smooth White. 130 days. Evenly tapered—whiter than "Hollow Crown"	.15	.50	1.50
PEAS , see page 47.			

PEPPER

(About 3000 seeds per oz.) Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.

Avalon. Sweet button shaped fruits about 2 in. across; red flesh. Fine for canning whole. 1/2 oz., 85c.....

1.50

California Wonder Select (Sweet). 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. 1/2 oz., 40c.....

.70

2.40 7.00

Chinese Giant (Sweet). 80 days. The largest Sweet Pepper. 1/2 oz., 35c.....

.60

2.00 6.00

Golden Wonder. Golden fleshed California Wonder type. 1/2 oz., 85c.....

1.50

5.00

Harris' Early Giant (Sweet). 63 days. Well-suited to northern states. 1/2 oz., 35c.....

.65

2.20 6.50

Hungarian Yellow Wax (Hot). Very early. Plants small, productive. 1/2 oz., 40c.....

.75

2.50 7.50

Large Bell or Bull Nose (Hot). 65 days. Ribs pungent, otherwise mild. 1/2 oz., 40c.....

.70

2.40 7.00

Large Cherry (Hot). 1/2 oz., 40c.....

.70

2.40

Long Red Cayenne (Hot). 70 days. For pickles, canning or drying. 1/2 oz., 35c.....

.60

2.00 6.00

Oakview Wonder (Sweet). 65 days. (Early California Wonder). 1/2 oz., 40c.....

.75

2.50 7.50

Pimento (Perfection). Sweet. 72 days. Fruits smooth, conical. 1/2 oz., 30c.....

.45

1.50 4.50

Red Chili. Numerous 2-2 1/2 in. long fruits. Borne upright. Very pungent. 1/2 oz., 35c....

.65

2.20 6.50

Ruby King (Sweet). 68 days. Very productive. 1/2 oz., 35c.....

.65

2.20 6.50

Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet red earlier than most other Peppers. 73 days. 1/2 oz., 35c.....

.60

2.00 6.00

Sweet Bull Nose (Sweet Mountain). Mild-fleshed. 65 days. 1/2 oz., 35c.....

.65

2.20 6.50

World Beater (Sweet). 70 days. Large, oblong green, thick flesh. 1/2 oz., 35c.....

.60

2.00 6.00

PUMPKIN

1 oz. 4 ozs. 1 lb.

Small Sugar Pie. Early orange..... \$0.15 \$0.50 \$1.50

RADISH

(1 oz. for 100-ft. row)

***Cavalier.** Short topped, deep scarlet. Choice for forcing. 10 lbs., \$12.60..... .15 .45 1.40

Crimson Giant. 30 days. Remains crisp..... .15 .40 1.20

***Early Scarlet Globe (Short Top).** Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60..... .15 .45 1.40

French Breakfast. 25 days. Oblong roots, scarlet, white tipped. Forcing and market

***Icicle (Short Top).** 27 days. Best white for outdoors and forcing. 10 lbs., \$10.80.... .15 .40 1.20

RUTABAGA

American Purple Top..... .15 .30 .80

SPINACH

1 oz. for 100-ft. row)

***Cavallius.** A special forcing strain producing heavily under short day greenhouse conditions. Sow Oct. to late Jan..... .45 1.50 4.50

Giant Thick Leaved (Nobel). 45 days..... .15 .30 .80

King of Denmark. 48 days..... .15 .30 .80

Savoy-Leaved or Bloomsdale. 40 days..... .15 .30 .80

***New Zealand (Tetragonia).** Picked throughout the summer. Suitable for greenhouse forcing in 50-60° temperature..... .15 .40 1.20

SQUASH

(About 380 seeds per oz.)

Acorn. 60 days. Winter squash..... .20 .65 1.90

Buttercup. 100 days. Winter squash..... .20 .75 2.20

Butternut. 100 days. Winter squash..... .40 1.25 3.75

Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in..... .15 .50 1.50

Hubbard. True. Green winter Squash..... .20 .65 2.00

SWISS CHARD

(1 oz. for 100-ft. row)

***Lucullus.** Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temp. Pick leaves. .15 .50 1.50

TOMATO

(About 7000 seeds per oz.). We offer only the highest quality Tomato seed from specialist growers. Sow seed 6 to 8 weeks before time to plant out. Days indicated are from date plants are set out.

SPECIAL FORCING VARIETIES

***Waltham Forcing.** The ideal forcing Tomato. Even sized, 4 oz. scarlet fruits, firm, good shippers and do not crack. Plants take little room, may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

***Michigan State Forcing.** Wilt Resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 oz., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flowering clusters. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Globe "A." Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Marhio or Marvelous. Pink fruit, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

STANDARD VARIETIES

***Bonny Best.** Unexcelled for all purposes. Smooth and firm. 73 days..... \$0.60 \$2.00 \$5.90

Break-O'Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm.... .60 2.00 6.00

Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm..... .50 1.70 5.00

Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific..... .80 2.70 8.00

Dwarf Champion. Tree-like. Requires no support; medium size, solid pink fruit..... .70 2.35 7.00

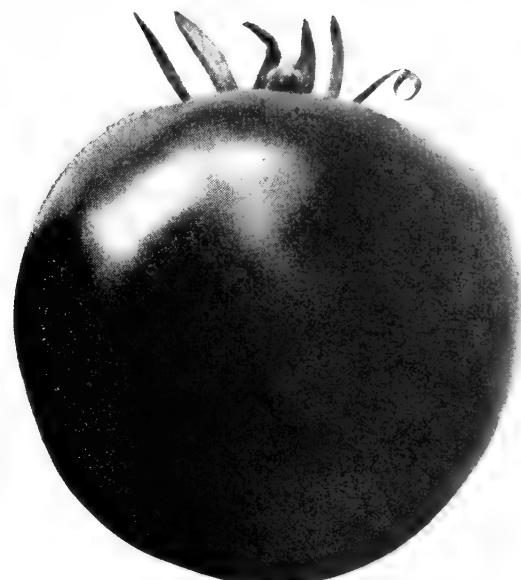
Vegetable Seeds for Florists (Continued)

TOMATO. Continued

1 oz. 4 ozs. 1 lb.

Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid.....	\$0.60	\$2.00	\$6.00
Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety.....	.70	2.35	7.00
Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit. 78 days.....	.60	2.00	6.00
Firesteel. 70 days. Deep red, sure setting. Best under drouth conditions.....	.70	2.35	7.00
Giant Tree or Potato Leaved (New). 90 days. Extra large pink fruits often weighing 1 lb. or more. Tr. pkts. only, 50c .			
Globe (Livingston's). Heavy producer. Large purplish pink fruit; smooth and solid	.60	2.00	6.00
Golden Queen. 83 days. Large yellow fruit; firm and smooth, mild flavor.....	.70	2.35	7.00
Greater Baltimore. Mid-season. Earlier than Stone, heavy producer, deep scarlet.....	.50	1.70	5.00
Gulf State Market. Very fine second early, crimson, medium size, very solid.....	.60	2.00	6.00
Italian Canner. Red plum shaped. Valuable for canning whole, paste and dehydration. ½ oz., 50c.....	.90	3.00	9.00
John Baer, Certified. Standard all-purpose variety, second early, medium size, red.....	.60	2.00	6.20
June Pink. Earliest pink, early shipper.....	.65	2.20	6.50
Jubilee. Orange. Bronze medal in All-America trials. Non-acid. ½ oz., 50c	.90	3.00	
*Master Marglobe, Certified. Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. ½ oz., 45c.....	.80	2.70	8.00
Marglobe. Regular stock.....	.60	2.00	6.00
Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. ½ oz., 60c	1.10	3.70	11.00
Pan America (New). 75 days. U.S.D.A. introduction. Extremely wilt resistant. Scarlet			
Penn State Earliana. Extra early, red, large, smooth, mild and solid.....	.65	2.20	6.50
Ponderosa. Extremely large; purplish pink, few seeds, mild flavor, 85 days.....	.75	2.50	7.50
Pritchard (Scarlet Topper). Fine all-round variety, heavy yielder; second early; WILT-RESISTANT	.85	2.85	8.50
	.65	2.20	6.50

Tomato
Master
Marglobe
Certified



TOMATO. Continued

1 oz. 4 ozs. 1 lb.

A NEW BALL SERVICE!

Florist Formula Lawn Grass Seed



We believe florists are the most critical seed buyers in the world. Whether you sell or grow, we know you want the very finest Lawn Grass Seed. That's why we are offering these special mixtures blended by ourselves for the florists' trade only. We use only heavy weight seed of grasses that produce a deep rooted, permanent turf of lasting beauty. You can offer your customers these mixtures with complete confidence.

For SUNNY LOCATIONS or SHADY LOCATIONS

In ordering, please specify which mixture you want. Prices are the same for both mixtures and are net—no cash discount.

PACKED IN ATTRACTIVE BAGS AS ILLUSTRATED

3 lbs. . .	\$3.00	25 lbs. . .	\$22.50	Figure 1 lb.	|	DELIVERY
5 lbs. . .	4.75	50 lbs. . .	45.00	for each	|	CHARGES
10 lbs. . .	9.25	100 lbs. . .	85.00	200 sq. ft.	|	PREPAID

CHOICE OF BAGS PACKED AS FOLLOWS:

3 lbs. 5 lbs. 10 lbs. 25 lbs.
Above 4 @ 75¢ per lb.
Minimum order 50 lbs.

100 lb. bag, \$72.00
Write for prices on
300 lbs. or more

**DELIVERY
CHARGES
COLLECT**

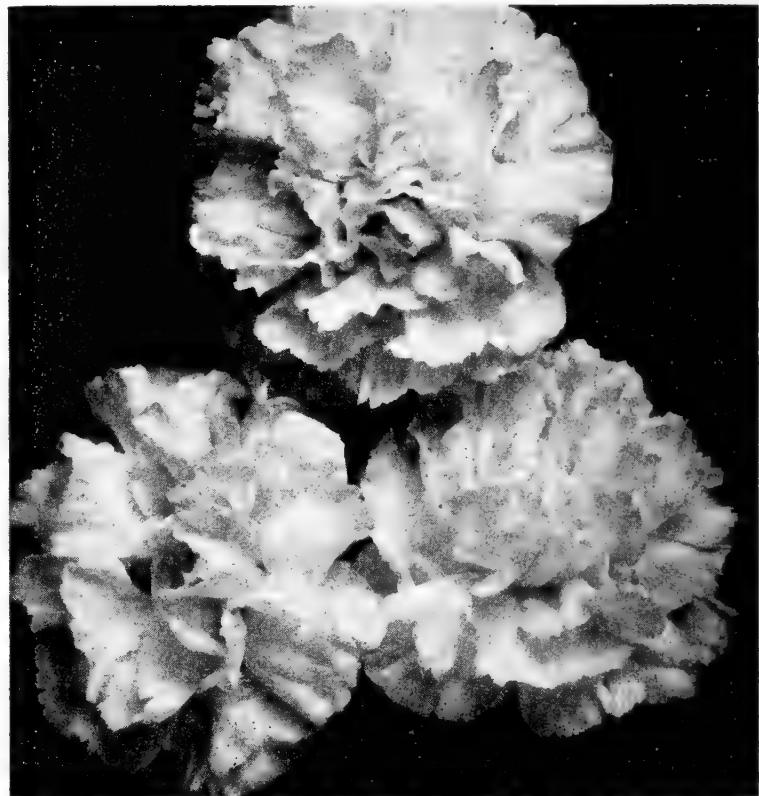
Carnation Cuttings

The necessity of clean, healthy Carnation cuttings is fully as important to the grower as seed that he can depend upon. Because we are cut flower growers ourselves, as well as dealers in Carnation cuttings, we realize how vital good stock is to our customers.

With this thought foremost in our minds we have spared no effort to obtain the very best possible sources of supply for our Carnation cuttings. However, we cannot stress too strongly the importance of ordering early if you want real quality.

If your stock is disease infested or if you've been wanting to try several of those better new varieties, right now is the time to give us your order. We'll give it our very best attention.

Minimum order 100 of a variety. 250 cuttings of a variety at the 1000 rate. Prices subject to change. Cuttings available from December thru March.



If you want quality in your Carnations, demand quality in your cuttings.

WHITE

	Rooted Cuttings		
	Price per	100	1000

Arundel. Similar in form to Olivette. Many growers prefer it to Olivette.....	\$12.00	\$100.00	
Casablanca (Patented). Large, fragrant, stiff stems	20.00	150.00	
Colonel Blimp. New white, originated with Peter Beuerlein's Sons	12.00	100.00	
Mercury. Pure white, sport of Giant Fisher; stem like Fisher, good shipper, free flowering, fine keeper. No restrictions.....	15.00	125.00	
Northland. A large fragrant white. Most in demand of all whites today.....	12.50	100.00	
Olivette. One of the better whites. It is noted for steady winter production, symmetrical and spicy flowers, and sturdy, medium length stems	10.00	80.00	
Patrician. A good large white.....	10.00	80.00	
White Briry (Restricted). Fine sport of John Briry but freer flowering.....	15.00	125.00	
White Fisher. Well known white for some localities	10.00	80.00	

MEDIUM PINK

	Rooted Cuttings		
	Price per	100	1000

Citation (Restricted). Rose pink, silver edge	\$20.00	\$150.00	
Dorothy Napier (Patented). The flowers are large and very full, and the calyx does not split. Production compares favorably with all varieties of this color and quality.....	20.00	150.00	
Mrs. Virginia Irwin (Restricted). Giant double sport of Virginia Rose. Deeper than Hercules Virginia; production equal to Virginia.....	20.00	150.00	
Peter Fisher. Well known for its profitable productiveness and clear fringed flowers.....	10.00	80.00	
Pink Treasure (Patented). A medium or rose pink flower of large size and full appearance	15.00	125.00	
Rosalie (Patented). A very excellent Carnation when well grown. The flowers are medium to large, similar in color to the old Ward and good keepers	20.00	150.00	
Virginia Rose. Well liked wherever Virginia is popular. It is much deeper in color than Ward. Uniform production, excellent keeper	10.00	80.00	
Virginia Supreme. Improved sport; larger and fuller than Virginia	15.00	125.00	

for Spring 1949

LIGHT PINK

Rooted Cuttings
Price per
100 1000

Hercules Virginia. Giant light pink sport of Virginia, having the growing qualities of its parent **\$15.00 \$125.00**

Netta (Restricted). Large, full, delicate flesh pink flower on long stiff stems. Flowers early and seldom splits. **Sold Out.** Orders accepted subject to late delivery only, and possible increase in production..... **20.00 150.00**

St. Louis Pink. Excellent free flowering pink.. **10.00 80.00**

Spirit of St. Louis (Restricted). An early, long stemmed variety of the Virginia color, producing a heavy continuous crop..... **17.50 150.00**

Virginia. Noted for its steady winter production, lack of splitting, and its clean stems which require very little disbudding..... **10.00 80.00**

RED

Rooted Cuttings
Price per
100 1000

Jumbo Cardinal (Restricted). Super King Cardinal sport. Replaces King Cardinal.... **\$15.00 \$125.00**

No. 16 Red. Color same as King Cardinal. Quality far superior. Supply limited..... **15.00 125.00**

Red Champion (Restricted). Cardinal color, good producer **20.00 150.00**

Red Seth Parker. Sport. Color little deeper than King Cardinal. Has same habit and qualities as Seth Parker..... **12.00 100.00**

Tom Knipe (Patented). The flower is very full and large with serrated petals. The calyx does not split; propagates easily and produces well **20.00 150.00**

Victory Red. An improved King Cardinal, but little deeper red **12.00 100.00**

William Sim (Patented). Vivid red seedling.. **20.00 150.00**

SALMON PINK

Rooted Cuttings
Price per
100 1000

Charm (Patented). A quality salmon-pink. Stems are long and sturdy, the flowers large and the calyx is strong **20.00 150.00**

Donna Lee Supreme. Sport of Pink Spectrum Supreme **15.00 125.00**

Ida. Sport of Eleanor; light pink, a shade deeper than its parent **10.00 80.00**

Pink Art (Restricted). Salmon pink with dark pink penciling **Sold Out**

Pollyanna (Patented). A steady winter producer of average length; sturdy stems..... **15.00 125.00**

Salmon Virginia. A good salmon sport of Virginia **10.00 80.00**

CRIMSON

C. W. Weld. Dark red. Clean healthy grower; good stem **12.00 100.00**

No. 14 Crimson (Restricted) **15.00 125.00**

Olympic (Restricted). A strong growing crimson seedling, color of C. W. Weld..... **20.00 150.00**

Seth Parker (Patented). Rich bright crimson. The flowers are larger than other varieties in this class, stems excellent, splitting unknown. Flowers can be harvested for the Christmas season **20.00 150.00**

DARK PINK

Rooted Cuttings
Price per
100 1000

Canup's Pride (Restricted). Good stem, free flowering. Dark cerise pink; almost cherry in color **20.00 150.00**

Chalfant (Restricted). A very good deep pink. Introduced by Peter Hellberg of Chalfant, Pa. Good color; good size **20.00 150.00**

Dark Pink Fisher. Similar to Peter Fisher from which it sported. Color is a good dark pink and does not fade in spring..... **10.00 80.00**

John Bryn. One of the brightest dark pink Carnations now grown. It is a first quality flower but not a heavy producer. Does best for spring flowers **10.00 80.00**

Sidney Littlefield (Restricted). Extra large flower. Dark pink with lighter edge..... **20.00 150.00**

Virginia Miller. The dark pink Virginia..... **15.00 125.00**

MISCELLANEOUS

Chief Kokomo (Patented). Pink markings on a yellow background. Large flowers..... **12.00 100.00**

Frosted Patrician. White petals overlaid with pink flakes **10.00 80.00**

Golden Wonder. Yellow variegated..... **10.00 80.00**

Harlequin (Restricted). Flecked flesh pink.... **20.00 150.00**

Pelargonium. Mottled crimson wine on a white base. The large flowers are carried on long, strong stems **15.00 125.00**

Scarlet King. A sport of Pelargonium with more vigor and brighter, lighter coloring.... **15.00 125.00**

Sylvia (Restricted). White variegated..... **20.00 150.00**

Symphony (Patented). Reddish purple stripes on a delicate mauve background..... **Sold Out**

Holland Bulbs for Fall 1949

Orders must reach us by July 1st for direct shipments from our Holland growers.

ALL BULBS ARE OFFERED AT STANDARD MARKET PRICES.

PREPARED HYACINTHS

Prepared Hyacinths in sizes 19/up, 18/19 and 17/18.

L'Innocence. Pure glistening white.....
Bismarck. Rich porcelain blue.....
Pink Pearl. Bright rosy pink.....

PRICES

LATER

REGULAR HYACINTHS

Regular Hyacinths in sizes 19/up, 18/19, 17/18, 16/17, 15/16 and 14/15.

RED AND PINK

Gertrude. Rosy pink.
Lady Derby. Light pink.
La Victoire. Rosy red.
Marconi. Bright pink.
Pink Pearl. Rosy pink.

WHITE

L'Innocence. Pure white.

BLUE

Bismarck. Porcelain blue.
Dr. Lieber. Porcelain blue.
Grand Maitre. Deep blue.
King of the Blues. Dark blue.
Perle Brilliant. Clear blue.

YELLOW

City of Haarlem. Golden.



Ball Hyacinths are second to none in quality

TULIPS

Tulips in sizes 12/up and 11/12.

Early Single Tulips

Brilliant Star. Scarlet.....
Couleur de Cardinal. Scarlet.....
Fred Moore. Apricot orange.....
General de Wet. Yellow flushed orange.....
Ibis. Deep rose.....
Keizerskroon. Red and yellow.....
Pink Beauty. White with deep rose.....
Prince of Austria. Orange scarlet.....
Van der Neer. Violet.....
Vermillion Brilliant. Vermillion.....
White Hawk. Pure white.....
Yellow Prince. Yellow, sweet scented.....
Choice Mixture.

Early Double Tulips

Couronne D'Or. Yellow tinged orange.....
Electra. Deep cherry red.....
Marechal Niel. Golden yellow.....
Mr. Van der Hoeff. Pure yellow.....
Murillo. Pink

Orange Nassau. Orange red.....

Peach Blossom. Deep pink.....

Schoonoord. Pure white.....

Tearose. Primrose yellow.....

Triumphator. Deep pink

Vuurrbaak. Scarlet

Choice Mixture

Cottage Tulips

Adance. Poppy red.....
Albino. Pure white.....
Belle Jaune. Deep yellow.....
Carrara. Pure white.....
Golden Harvest. Lemon yellow.....
Inglescombe Yellow. Yellow.....
Moonlight. Sulphur yellow.....
Mother's Day. Lemon yellow.....
Mrs. John T. Scheepers. Yellow.....
Mrs. Moon. Pure yellow.....
Orange King. Orange scarlet.....
President Hoover. Orange red.....
Rosabella. Pale rose.....
Themis. Pure white.....
Wall Street. Lemon yellow.....
Yellow Emperor. Yellow.....
Choice Mixture.

Parrot Tulips

Blue Parrot. Bright purple.....
Fantasy. Red, blotched white and green.....
Red Champion. Deep Red.....

Standard Market Prices Will Be Established Later

Hyacinths - Tulips - Narcissi

TULIPS (continued)

Mendel Tulips

Fridjof Nansen.	Large red.....
Her Grace.	Pink and white.....
Krelage's Triumph.	Deep red.....
Scarlet Admiral.	Crimson red.....
Van der Erden.	Glowing red.....
Weber.	White and pink.....
White Sail.	.....

Triumph Tulips

Alberio.	Deep red
Aviateur.	Red, white edge.....
Bandoeng.	Dark red, yellow edge.....
Crater.	Carmine red.....
Edith Eddy.	Carmine red, white edge.....
Elmus.	Carmine red, white edge.....
Hindenburg.	Garnet red.....
Korneforus.	Light red.....
Red Giant.	Scarlet.....

Darwin Tulips

Afterglow.	Rosy orange, salmon edge.....
All Bright.	Brilliant red.....
Bartigon.	Cochineal red.....
Campfire.	Scarlet
Charles Needham.	Large brilliant red.....
City of Haarlem.	Scarlet.....
Clara Butt.	Apple blossom.....
Demeter.	Reddish purple.....
Eclipse.	Crimson maroon.....
Farncombe Sanders.	Scarlet.....
Herodiade.	Rosy pink.....
King Harold.	Crimson maroon.....
La Tulipe Noire.	Purple black.....
Mount Erebus.	Pure white.....
Niphos	.....
Philip Snowdon.	Deep rose.....
Pride of Zwanenburg.	Salmon pink.....
Princess Elizabeth.	Bright pink.....
Princess Mary.	Bright pink.....
Prunus.	Pink
Rose Copeland.	Lilac rose.....
Sunkist.	Golden yellow.....
The Bishop.	Violet blue.....
Utopia.	Bright red.....
Victoire de Oliviera.	Deep scarlet.....
William Copeland.	Lavender.....
William Pitt.	Glowing red.....
Zwanenburg.	Ivory white.....
Choice Mixture	.....

Standard Market Prices Will Be Established Later

NARCISSI

Narcissi in sizes DN No. 1 and DN No. 2.

Double Daffodils

Twink.	Creamy white and orange.....
Von Sion.	Golden yellow.....

Trumpet Daffodils

Beersheba.	Pure white.....
Golden Harvest.	Golden yellow.....
King Alfred.	Clear yellow.....
Rembrandt.	Rich yellow.....
Mrs. E. H. Krelage.	White.....
Spring Glory.	Bicolor.....
Van Waveren's Giant.	Bicolor.....

Poetaz Narcissi

Cheerfulness.	Double white.....
Laurence Koster.	White, yellow cup.....

In addition to the foregoing Bulbs we can furnish almost any other variety that is imported from Holland. Send us a list of your needs; we will send you our acknowledgment with prices quoted as soon as they are established.

BOOST YOUR BULB SALES NEXT FALL

SPECIAL HOLLAND BULB COLLECTION FOR RESALE

1,050 BULBS for \$50.00

Colored posters to help your sales come with each collection. Order now and be sure of getting your bulbs in time for counter sales next fall.

25 each	Hyacinths Blue, Pink, White.
125 Tulips	Bartigon. Bright red.
125 Tulips	Philip Snowdon. Deep rose.
125 Tulips	All Bright. Deep red.
125 Tulips	Wm. Copeland. Lavender.
125 Tulips	Carrara. Pure white.
125 Tulips	Golden Harvest. Lemon Yellow.
125 Tulips	Her Grace. Pink and white.
100 Daffodils	King Alfred. Golden yellow.

Should any varieties be sold out when your order is received, we will substitute with equally good or better named varieties. **C.O.D. orders must be accompanied by 50% cash in advance.** Prices are F.O.B. Chicago or New York.

West Coast Grown Glad Bulbs

READY FOR IMMEDIATE DELIVERY

We offer only Pacific Coast grown Glads of the highest quality. All bulbs are carefully selected, and are disease and thrip free. In our opinion, the varieties listed below are of the very finest for commercial growing.

At the time this catalog went to press prices had not been established. Please refer to our classified ads in the "Florists' Review" or write us for prices.

All bulbs are ready for delivery now in sizes No. 1, No. 2 and No. 3.

WHITE

Maid of Orleans. Milky white.....
Margaret Beaton. White, cherry throat.....
Silentium. White, cream throat.....
Snow Princess. Beautiful white.....

CREAM

Corona. Cream, rose edge.....
Shirley Temple. Large ruffled cream.....
Wanda. A cream Picardy sport.....

YELLOW

Golden Chimes. Light yellow.....
Yellow Emperor. Rich yellow.....

ORANGE

Barcarole. Clear grenadine orange.....
Coral Glow. Orange coral.....

PINK

Chamouny. Cerise rose, silver edge.....
Ethel Cave Cole. Light pink.....
Peggy Lou. Deep shrimp pink, shaded rose..
Rosa Van Lima. Bright pink, white throat..

PLEASE WRITE FOR PRICES

SALMON PINK

Picardy. Most popular in this color.....

SCARLET

Beacon. Salmon scarlet, cream throat.....
Dr. F. E. Bennett. Large fiery scarlet.....
New Europe. Geranium red.....
Stoplight. Large bright red.....
Valeria. Fine early scarlet.....

RED

Algonquin. Clear red.....
Rewi Fallu. Deep rich red.....

LAVENDER

Elizabeth the Queen. Finest lavender.....
Minuet. Large clear lavender.....

PURPLE and BLUE

Charles Dickens. Purple, deeper throat.....
King Lear. Ruffled red purple.....
Pelegrina. Deep violet blue.....
Takina. Rosaline purple.....

MIXED

Florists' Mixed. Well balanced assortment..

CATALOG NO. 58—JANUARY 1949—BUSINESS TERMS

Note—Cash or C.O.D. Discount! Prices on Cyclamen seed, Lawn Grass and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed or on C.O.D.'s a discount of 5% is allowed on all orders from \$5.00 to \$25.00. On \$25.00 and over, 8% is allowed.

Important. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance. Make all checks or money orders payable to **Geo. J. Ball Inc., WEST Chicago, Illinois.** We cannot be responsible for currency sent in the mail.

All Prices in this catalog subject to change without notice.

All Seed Orders sent prepaid in U.S. and Canada at catalog prices.

Our Business is with Florists only. We do not sell at retail.

Shortages—All items in this catalog are offered subject to crop failures or shortages.

All seeds sold under Seedman's disclaimer as follows: We, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs or plants.

BALL BETTER BANDS

for BEDDING PLANTS — VEGETABLES — CARNATIONS CHRYSANTHEMUMS — PERENNIALS — NURSERY STOCK

Save Costly Express Charges. Order EARLY for Freight Delivery.

CHECK THESE MONEY SAVING FEATURES

- Made of specially prepared decay-resisting veneer
- Double galvanized-wire stapled to really hold
- Easy to open; come completely assembled
- Easy to fill; lots faster than small pots one at a time
- Transplanting insurance; plants take hold more quickly and with less loss
- Better growth; a band holds more soil than a pot of equal size—no root binding
- Uniform moisture; close fitting wood bands dry out less rapidly than clay pots
- Bands come packed in valuable greenhouse flats at no extra cost to you
- and IMMEDIATE DELIVERY.

PRICES BALL BETTER BANDS

Size	Wt. per 1000	FOB Mid-West		FOB Seattle	
		Per 1000 Unit	Per 2000 Unit	Per 1000 Unit	Per 2000 Unit
1 1/4 x 2	16 lbs.	\$ 7.90		\$ 9.20	
1 3/4 x 2 1/2	18 lbs.	8.40		9.00	
2 x 2	18 lbs.	8.20		10.30	
2 x 2 1/2	18 lbs.	9.40		10.90	
2 x 3	20 lbs.	9.90		11.20	
2 1/2 x 2 1/2	24 lbs.	10.20		11.70	
2 1/2 x 3	29 lbs.	10.60			
			Per 1000 Unit		
3 x 3	36 lbs.	5.75		6.35	
3 x 4	40 lbs.	6.70			
4 x 3	48 lbs.	6.70			
4 x 4	60 lbs.	7.75			
4 x 6	75 lbs.	15.80			
6 x 4	74 lbs.	16.00			
			Per 1000 packed in Units of 250		
6 x 6	124 lbs.	21.00			
6 x 9	158 lbs.	28.00			
			Bottoms for following sizes per 1000		
3 x 4	23 lbs.	3.25			
4 x 3	24 lbs.	3.75			
4 x 4	27 lbs.	4.50			
4 x 6	46 lbs.	5.90			
6 x 6	67 lbs.	9.90			
6 x 9	98 lbs.	15.80			

To save delay be sure to specify which way to ship; Express, Freight or Truck. This is important. Bands sold only in units as listed above. Quantity discounts: 2000 to 49,000 net; 50,000 to 200,000 5%; over 200,000 10%. Sizes 3x4 and larger not available at Seattle.

BIRD VITA-BANDS

Wt. per 1000	Vita-Band 40		Vita-Band 10	
	Price per 1000	Wt. per 1000	Price per 1000	Wt. per 1000
1 1/2 x 2 1/2			20 lbs.	\$ 3.00
1 3/4 x 2 1/2	31 lbs.	\$ 4.90	21 lbs.	3.35
2 x 2 1/2	36 lbs.	5.40	23 lbs.	3.65
2 x 3	42 lbs.	5.90	28 lbs.	4.15
2 1/2 x 3	54 lbs.	6.95	32 lbs.	4.75
3 x 3	60 lbs.	8.10	40 lbs.	5.65
4 x 3			53 lbs.	7.35
4 x 4			71 lbs.	8.95

Sold in units of 1000 only. Prices F.O.B. East Walpole, Mass., or West Chicago, Ill. Quantity Discounts: 1000 to 49,000 net; 50,000 to 200,000 5%; over 200,000 10%.

BIRD TOM THUMB FLATS

	Wt. per 100	100	500	1000
No. 1 (for 12-1 3/4" bands)	20 lbs.	\$ 3.90	\$ 18.25	\$ 35.80
No. 2 (for 12-2" bands)	22 lbs.	4.25	20.25	39.85

COMBINATIONS (Sold in units of 500 sets only)

Prices per 1000 sets	Vita-Band 40	Vita-Band 10
No. 1 (1M Flats with 12M 1 3/4" Bands)	\$ 88.15	\$ 71.95
No. 2 (1M Flats with 12M 2x2 1/2" Bands)	97.70	79.80

BIRD RED AND GREEN POTS

Size	RED for shipping only		GREEN for growing & shipping	
	Wt. per 1000	Price per 1000	Wt. per 1000	Price per 1000
2"	10 lbs.	\$ 6.85	15 lbs.	\$ 10.45
2 1/4"	12 lbs.	6.85	17 lbs.	10.80
2 1/2"	16 lbs.	6.90	22 lbs.	11.50
3"	22 lbs.	7.30	34 lbs.	13.15
3 1/2"	34 lbs.	9.65	42 lbs.	17.00
4"	48 lbs.	11.55	52 lbs.	20.30
5"	68 lbs.	14.15	80 lbs.	27.60
6"	100 lbs.	17.65	124 lbs.	35.70

EXTRA AT NO COST TO YOU

All Ball Better Bands come packed in 2 rot-resistant greenhouse flats. Sizes up to 2 1/2 x 3, 2000 bands per unit—larger sizes up to 6x4, 1000 bands per unit. This feature means a real saving to you in these days of high lumber costs.

The undisturbed root system of this banded field-grown Carnation plant means a quicker start after benching. And think of the time you'll save with root ball intact.

BALL PLANTRAYS

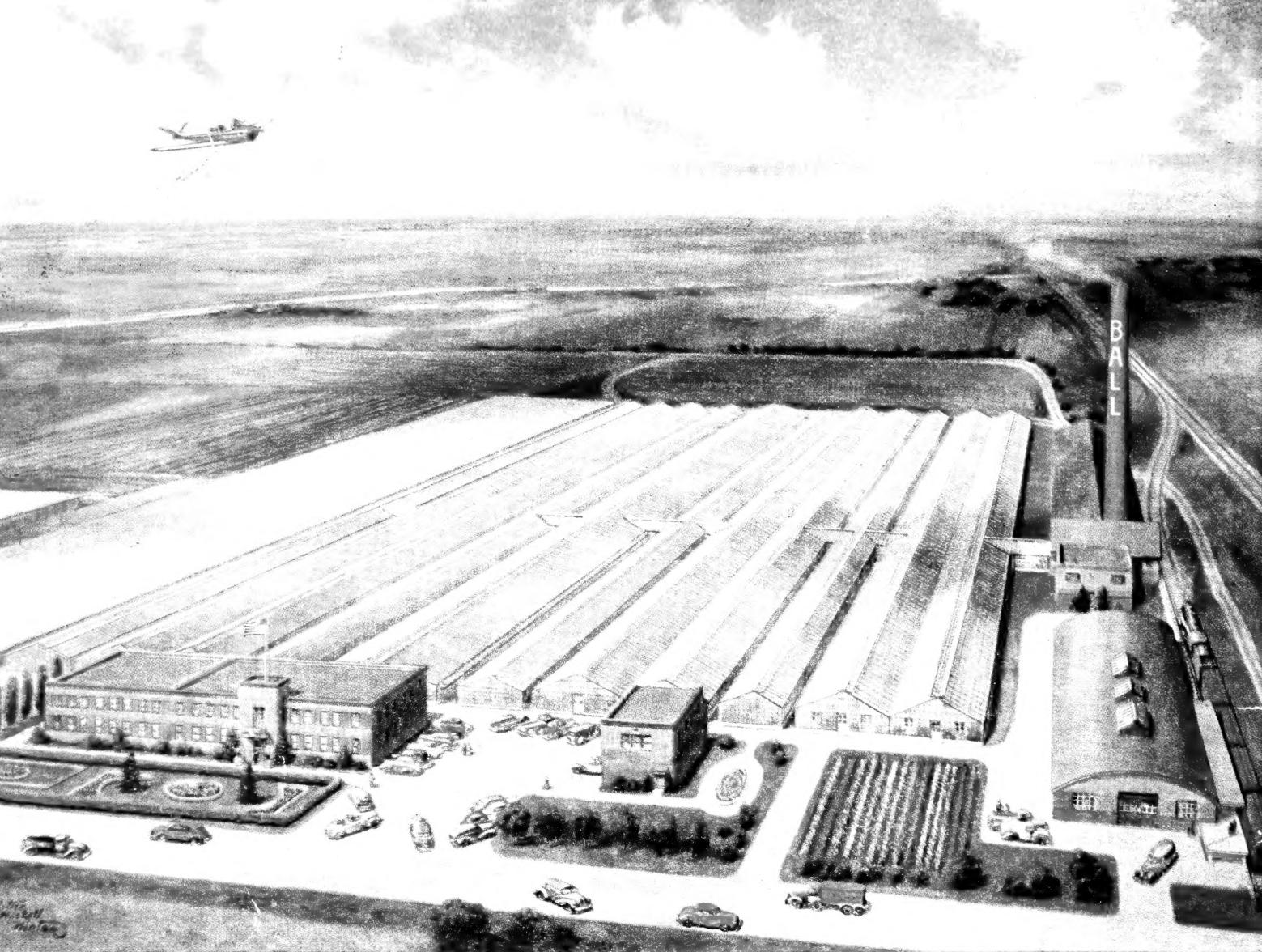


Increase your sales of bedding and vegetable plants with Ball "PLANTRAYS". Folks appreciate these easy-to-carry units of a dozen banded plants, and satisfied gardeners mean more business for you. Shown at top, size No. 2 which holds 12-2 in. bands; lower left, same size planted; lower right, No. 1 for 12-1 3/4 in. bands. No. 3 for 12-2 1/2 in. bands not pictured.

Prices on BALL PLANTRAYS

FOB	Mid-West	Wt. per 100	100	250	1000
No. 1 (for 12-1 3/4" Bands)	15 lbs.	\$ 3.25	\$ 8.00	\$ 28.50	
No. 2 (for 12-2" Bands)	19 lbs.	3.50	8.75	31.50	
No. 3 (for 12-2 1/2" Bands)	24 lbs.	4.20	9.40	35.00	
FOB	Seattle	Wt. per 100	100	250	1000
No. 1 (for 12-1 3/4" Bands)	15 lbs.	\$ 3.60	\$ 8.80	\$ 31.25	
No. 2 (for 12-2" Bands)	19 lbs.	3.85	9.60	34.50	
No. 3 (for 12-2 1/2" Bands)	24 lbs.	4.60	10.30	38.25	

Glad to send samples of any size Bands or PlanTrays. Please let us know quantity you are interested in.



"FLOWER SEEDS FOR FLORISTS"

Here spread before you is an air view of our equipment to serve you. No similar business in "your land and mine" is better equipped than the above—few as well. From that new 8,000 sq. ft. modern warehouse, right foreground, to automatic heating, you'll find valuable efficiency equipment thruout. This directly helps us in caring for your business with us. One of our primary interests here is improvement of our seed specialties. Our long experience in this work is reflected in the great number of bettered varieties we've developed. This, as well as experimental work generally, is being actively enlarged upon. Our "Flower Seeds for Florists" business could not enjoy the advantages it does without that 2½ acres of greenhouses, and our long experience behind it. Our extensive outdoor annual trial ground gives us that vital information about varieties that, in your interest, we must have. Also that perfect method of shipping small plants thru our "Ball-Pak" is another example of better equipment. We use it exclusively in all our small plant shipments from West Chicago. And—those suggestions thru our little magazine, "GROWER TALKS"?

The foundation of this business was laid 60 years back by that visionary \$8.00 a month boy. 'Member him? Such are the opportunities in our free land where private enterprise and initiative are the ruling spirit.

Gro. J. Ball.